

A photograph of a modern interior space featuring wooden pillars, glass railings, and a carpeted floor with white directional markings. The space is bright and open, with large windows in the background.

FLOORING INSTALLATION SOLUTIONS

the strong connection

eurocol

BETON **DESIGN**

eurocol 300

the strong connection



BASECOAT

Ready-to-use lacquer for applying a base coat on a 305 BetonDesign, 395 FloorDesign and 390 FloorColouring substrate as an impregnation layer and adhesion improver for the 310 FinishCoat. Shake the closed bottle well for at least 1 minute before use.

PRODUCT TYPING

Base	Acrylate Copolymer.
Color	Milky white.
Consistency	Thin liquid.

- Ready for use
- Easy to process
- Impregnating property
- Adhesion enhancer
- Solvent-free
- Neutral smell

PROPERTIES

Consumption	100 – 120 g/m ² per coat.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.04 kg/l.

APPLICATION

For applying a base coat to BetonDesign and FloorDesign base to impregnate and enhance adhesion for the 310 FinishCoat.

PROCESSING

Storage	Store in a cool, frostproof place (between 5 – 25 °C).
Tools	Paint roller type microfiber 9 mm.
Drying	At least 2 hours, finish within 24 hours with 310 FinishCoat.
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

300 BASECOAT

- The 305 BetonDesign and 395 FloorDesign must have been created in accordance with the steps described in the instruction manual. The surface must be clean, consistently dry, and free from grease, dirt and dust.

Instruction manual:

- Shake well (minimum 1 minute) before use.
- When applying the product to the floor wear shoe covers to prevent foot prints.
- 300 BaseCoat is applied by means of a 9 mm microfiber paint roller. This coat has impregnating capacity and ensures proper adhesion of the 310 FinishCoat.
- The coating must be applied evenly and without pressure across the entire surface. We advise that you roll the coating in every direction.
- After a drying time of at least 2 hours, yet no more than 24 hours, the 310 FinishCoat must be applied also by means of a 9 mm microfiber paint roller. Allow a minimum drying time of 12 hours.
- It takes approximately 8 days for the finishing coat to become resistant. Thus it is important that within these 8 days the floor does not get stained and/or damp, as this may lead to a damaged finishing.
- Fresh product stains should always be removed with water immediately.
- Always consult our technical production information sheets first. When in doubt about the use of the product, please contact our Technical Help Desk.
- Product residues and cleaning water drains according to local applicable environmental rules and do not drain in the sewer.
- Avoid contact with eyes and skin and use proper protecting equipment (see our safety sheet).

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1). May cause an allergic reaction.

Conditions for processing:

Desired room temperature : 18 - 23 °C

Temperature for material and subfloor : min. 15° – max. 20 °C

Relative humidity : 40 - 70%.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	Available on request.

ITEM DATA

Article	Definition	Packaging	EAN-code
300	BaseCoat	1 kg bottle	8 710345 300131
300	BaseCoat	Box of 12 bottles of 1 kg	8 710345 300124

300 BASECOAT

eurocol 301

the strong connection



BASESEALER

1-component paint system for applying a base coat on a coloured (390 FloorColouring) levelling compound or a BetonDesign floor as an impregnation layer and adhesion improver for the 311 TopCoat.

PRODUCT TYPING

Base	1-component polyurethane modified synthetic resin dispersion-based lacquer.
Color	White/transparent.
Consistency	Thin liquid.

- VOC emission-free
- Waterborne
- Easy to process
- Ready for use
- Quick-drying
- No yellowing
- Very good adhesion

PROPERTIES

Colour palette	White
Colour fastness	White.
Consumption	Approx. 100 g/m ² .
Flammability	301 BaseSealer is not self igniting.
Sensitive to frost	Yes.
Specific weight	1.03 kg/l.

APPLICATION

For applying a base coat on a colour (390 FloorColouring) equalisation floor or a BetonDesign floor as an impregnation layer and adhesion improver for the 311 TopCoat.

PROCESSING

Storage	Store in a cool, frostproof place (between 5 – 25 °C).
Tools	Paint roller type: epoxy roller or 2-component nylon roller 13 mm or brush.
Curing	After 7 days at 20 °C (completely mechanically and chemically loadable).
Processing time	60 minutes (at 20 °C and an RH of 60%).
Drying	Walkable after 3-4 hours at 20 °C.

301 BASESEALER

Shelf Life	12 months, in unopened packaging.
Cleaner	Water.
Remarks	Observe the technical information and safety data sheets of any laying materials used! Never sand the base coat! During drying, ensure uniform ventilation, avoid draughts and direct sunlight.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The 305 BetonDesign or coloured (390 FloorColouring) levelling floor must be installed in accordance with the steps in the respective Operating instructions.
- This layer must be completely dried.
- The subfloor should be clean, permanently dry and free of grease, dirt and dust.

Instruction manual:

- Before use, mechanically stir the 301 BaseSealer well for at least 1 minute until it forms a homogeneous mass. The mixer must be fitted with a plastic layer or coating.
- During processing, wear shoe covers on the floor to prevent footprints.
- Apply this base coat in one completely layer using an epoxy roller or nylon roller 13 mm. The coat should be applied uniformly and without steps over the total surface area.
- After the 301 BaseSealer layer has been applied, after a drying time of 3-4 hours but at the latest within 48 hours, the floor can be painted with 311 Top Coat. We advise to roll out the paint in any direction. After 48 hours, the 301 BaseSealer layer must first be sanded with K180 sandpaper, and then de-dusted well before the 311 TopCoat can be applied. The drying time of the 311 TopCoat layer is at least 24 hours. The indicated drying times are at a temperature of 20 °C. Lower temperatures will increase the drying time.
- After 24 hours the finished floor is cured for 80%. This means that the floor is walkable after 24 hours.
- After a minimum of 7 days, the 311 TopCoat is fully mechanically and chemically resistant. As a result, it is important that within the floor is not contaminated within these 7 days with dirt and/or moisture which can lead to damage to the floor finish.
- Remove fresh (not yet hardened) paint spots directly with water. After hardening, the material can only be removed mechanically.
- Always consult our technical product information sheets. In case of doubt about the applications to be made, contact our Technical Advice Department in advance.
- Avoid contact with eyes and skin and use appropriate means of protection.

Conditions for processing:

Desired ambient temperature: 10° - 23 °C.

Temperature for material and underfloor: min. 10° – max. 23 °C

Relative humidity: 50 - 80%. (> 60% ensure adequate ventilation)

The substrate temperature should be at least 3 °C above the dew point temperature.

More information:

- Keep out of the reach of children.
- Ventilate the room thoroughly during and after the processing and drying process.
- Do not eat, drink or smoke while processing this product.
- In the event of contact with eyes or skin, flush with plenty of water immediately.
- Dispose of product residues and cleaning water according to the local environmental regulations and do not pour into drains.
- For detailed information on safety measures, refer to the safety data sheet on our website www.eurocol.nl.

Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class	None (See safety information sheet).
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on our website www.eurocol.nl .

301 BASESEALER

Substances
causing allergy

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article Definition Packaging EAN-code

301 BaseSealer 2.5 kg tin 8 710345 301008

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG175282_V04_Stand 2023-01-31, ersetzt Ausgabe vom 2021-05-05

301 BASESEALER

eurocol 305

the strong connection



BETONDESIGN

Ready-to-use flexible, pasty finishing layer for creating a decorative concrete look on floors and walls in a layer thickness of approx. 1 mm (for two layers). The hardness is determined by the substrate. Cement-bound subfloors must be levelled in advance with 990 Europlan Direct and anhydrite floors with 924 Europlan Hybrid. Level walls with 658 Wandoforte.

PRODUCT TYPING

Base	Pasty mass with mineral pigments and elastifying plastics.
Color	3053 signal grey, 3054 platinum grey, 3055 telegrau 1, 3056 dusty grey, 30510 rust (special), 30511 ash, 30512 stone grey, 30513 greige, 30514 olive, 30515 slate and 30516 warm white.
Consistency	Pasty.

- Very low emission
- Emicode EC 1PLUS
- Ready for use
- Easy to process
- De-energize
- Flexible
- Excellent adhesion
- Coat just app. 1 mm thick

PROPERTIES

Consumption	400 – 500 g/m ² per coat.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Passableness	First coat after 3 hours and the second coat after 6 hours*
Specific weight	1.65 – 1.9 kg/l. (depending on the colour).

APPLICATION

To create a decorative concrete look on floors and walls in a app. 1 mm layer.

PROCESSING

Layer thickness	App. 1 mm thick (two coats).
Storage	Store in a cool, frostproof place (between 5 – 25 °C).
Tools	Narrow spreading knife, Palette knife, Venetian trowel, Trowel, Masonic trowel, Eurocol 855 mixing rod, Eccentric (Rotex) sander + sanding disc K 150 and vacuum cleaner, Single-disc sander + mulithole sanding disc K150 combined with purple dust pad, Sanding block + sanding paper K180, Paint roller microfiber 9

305 BETONDESIGN

	mm.
Drying	Fully hardened after 8 days.*
Drying	May be painted over after at least 12 hours
Shelf Life	12 months in unopened packaging.
Cleaner	Water.
Remarks	<p>The non-coated surface of Eurocol 305 BetonDesign cannot be used directly. During application on the prepared floor, use shoe covers for the shoes to avoid footprints. For continuous surfaces use material from one batch or mix and homogenise appropriate quantities together.</p> <p>Technical information and safety data sheets of other installation materials used must be observed!</p> <p>Eurocol 305 BetonDesign is not suitable for levelling substrates or bridging cracks in substrates. The system cannot be used in direct wet areas.</p> <p>Please note: mineral levelling compounds may under certain circumstances have a tendency to form cracks. Please refer to the reference document "RD_001_mineral levelling compounds".</p> <p>EMICODE, for further information see www.emicode.com</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 305 BetonDesign must always be applied to a level surface. Cement composite subfloor to be levelled using 990 Europlan Direct and Calcium sulphate composite subfloor (anhydrite) to be levelled using 925 Europlan Alphy Direct. In special situations the 925 Europlan Alphy Direct can be advised on a cement composite subfloor. Wall to be levelled with 658 Wandoforte or 955 Wandostuc.
- We recommend that after drying you sand the levelling coat lightly with a sanding gauze, coarseness 100 or finer and to remove all dust using an industrial vacuum cleaner.
- 305 BetonDesign is not suited for concealing bases. The more level the base the better the end result will look.
- Any dilations that exist in the base must be respected and must always be followed in the 305 BetonDesign.
- Always consult our technical production information sheets first. When in doubt about the use of the product, please contact our Technical Help Desk.

Instruction manual:

Step 1. The first coat:

Thoroughly mix/stir the BetonDesign, mechanically, at a low speed, using a mixing rod that is approx. 1/3 the size of the Eurocol 855 mixing rod. Apply the first coat using a Venetian trowel. Use a narrow spreading knife along skirting etc. Apply the material to your wall or floor, depending on the desired texture, and make sure that you cover the entire surface. The coat helps determine the texture of the product, and therefore the end result (a larger trowel will give a smoother end result). Make sure that you don't rework the applied product too much, for the stainless steel trowel may leave black stains in the drying product. The product must be applied wet-on-wet. This prevents the product applied/dried earlier from tearing. Choose a corner in the wall or floor where you will start, and work from this corner in a diagonal, so that it is easy to continue wet-on-wet. This will give the best results. After applying the first coat, leave to dry for approximately 3 hours at a room temperature of 20 °C. Lower temperatures require a longer drying time.

Step 2. Sanding the first coat:

Lightly sand the first coat, preferably using an eccentric sander with a coarseness 150 sanding disc. Please note that the texture of the first coat determines the look of the end result. (Manual sanding is also possible, using a sanding block. Or use a sander with coarseness 180 sanding paper). Then make the total surface properly dustfree using an industrial vacuum cleaner.

Step 3. The second coat:

Properly mix/stir the material, as described in step 1. Next, the second coat can be applied. Apply the material depending on the desired texture. Make sure you apply a thin coat. Then allow this coat to dry completely. Allow a minimum drying time of 6 hours.

Step 4. Sanding the second coat:

After drying the second coat may be sanded lightly as described in step 2. The intensity of the sanding has a direct effect on the look of the end result. Next, make the base dustfree using an industrial vacuum cleaner. Prevent footprints in the floor by wearing shoe covers.

Step 5. The finishing:

Finally, finish BetonDesign using the BetonDesign coating system. When applied to a floor, always apply a coating of 300 BaseCoat first and let this dry. After a drying time of at least 2 hours, yet no more than 24 hours, the 310 FinishCoat must be applied. This has a drying time of at least 12 hours. Apply the system using a 9 mm microfiber paint roller. The coating must be applied evenly and without pressure across the entire surface. We advise to then roll out the coat in random directions. After 24 hours the finished floor is cured for 80%. It takes approximately 8 days for the finishing coat to become fully hardened and resistant. This is why it is important that within these 8 days the floor or wall does not get stained and/or damp, as this may lead to a damaged finishing.

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If used for projects where the load on the floor or wall is heavier, we advise to finish the BetonDesign with the 311 TopCoat laquer system straight away. In floor application always apply a layer of 301 BaseSealer first and let it dry completely. After a drying time of 2-4 hours, but no later than 48 hours, the top coat 311 TopCoat should be applied. After 48 hours, the 301 BaseSealer layer must be sanded beforehand with sandpaper K180 and then vacuumed thoroughly. The drying time of the 311 TopCoat layer is at least 24 hours. Walls must be finished directly with 311 TopCoat without a layer of 301 BaseSealer. Mix this as described in the instructions for use on the package, and apply by means of an epoxy resin roller or a 13 mm Nylon roller for 2-part paint. The coating must be applied evenly and without pressure across the entire surface. We advise to then roll out the coat in random directions. After 24 hours the finished floor is cured for 80%. Only after approx. 7 days the top coat is fully mechanically and chemically resistant. This is why it is important that within these 7 days the floor or wall does not get stained and/or damp, as this may lead to a damaged finishing.

The drying times mentioned here are based on circumstances as specified in the processing conditions.

Conditions for processing:

Desired room temperature : 18 - 23 °C

Temperature for material and subfloor : min. 15° – max. 20 °C

Relative humidity : 40 - 70%

Use:

300 BaseCoat : 100 – 120 g/m²

310 FinishCoat : approx. 50 g/m²

301 BaseSealer : 100-150 g/m²

311 Topcoat : 50 – 75 g/m²

Contains benzisothiazolinone. May produce an allergic reaction

Tips to maintain your BetonDesign floor:

- For the cleaning and maintaining of BetonDesign floors we advice the use of 312 Conditioner. The protective film ensures that less dirt will attach. In the event of regular use, the look of the floor will be preserved (no shiny effect). Never use chlorine or bleach!
- Provide a proper door mat at the entrance.
- Fit out chair legs with soft protection (e.g. cork or felt), and replace them in time if they get damaged.
- Rolling furniture should be fitted out with soft wheels.

Underfloor heating constructions:

BetonDesign can be used on underfloor heating constructions. The start-up protocol of the underfloor heating must first have been performed entirely in accordance with supplier guidelines. Switch off the heating one day before application; switch back on at least 72 hours after the final paint coat, in steps of 5 °C water temperature maximum per day. Make sure that the floor temperature never exceeds 29 °C.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	EAN code
305	BetonDesign	7 kg Bucket	
	3053 signal grey		8710345 003032

305 BETONDESIGN

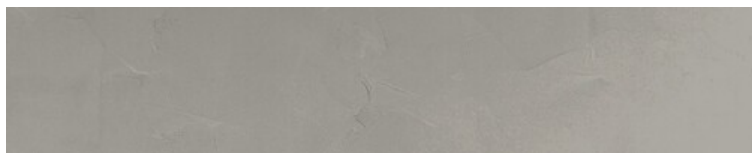
3054 platinum grey	8710345 003049
3055 telegrau 1	8710345 003056
3056 dusty grey	8701345 003063
30510 rust (special)	
30511 ash	8710345 305013
30512 stone grey	8710345 305020
30513 greige	8710345 305037
30514 olive	8710345 305044
30515 slate	8710345 305051
30516 warm white	8710345 305068

The 305 BetonDesign is available in the colours:

3053 signal grey:



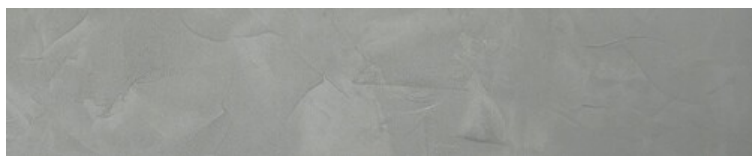
3054 platinum grey:



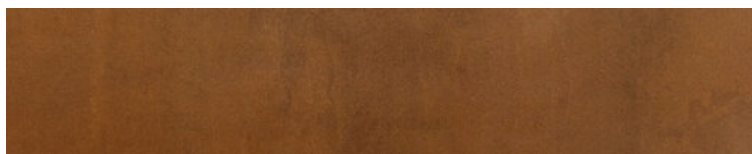
3055 telegrau 1:



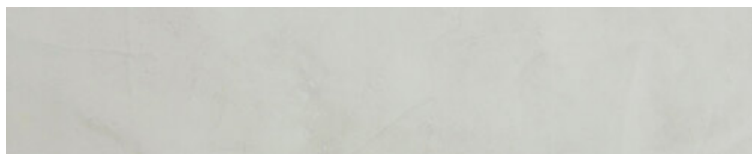
3056 dusty grey:



30510 rust (special):

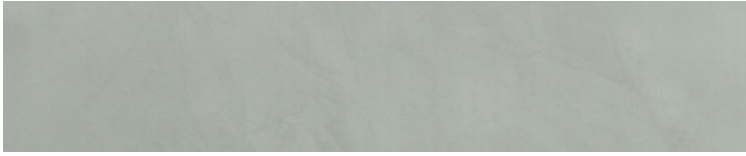


30511 ash:

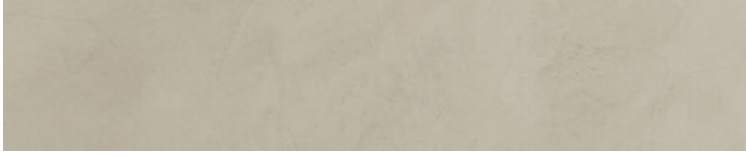


305 BETONDESIGN

30512 stone grey:



30513 greige:



30514 olive:



30515 slate:



30516 warm white:



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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG130305, Version 12, Stand 2019-11-26, ersetzt Ausgabe vom 2019-05-09.

305 BETONDESIGN

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FINISHCOAT

Ready-to-use lacquer for applying a top coat as a final finish on a 305 BetonDesign floor or wall, a FloorDesign or FloorColouring floor. Shake the closed bottle well for at least 1 minute before use.

PRODUCT TYPING

Base	Aliphatic polyurethane dispersion.
Color	Milk beige
Consistency	Thin liquid.

- Ready for use
- Easy to process
- Chemicals-proof
- Scratch-proof
- Extremely good adhesion
- Neutral smell

PROPERTIES

Consumption	Approx. 50 g/m ² per coat.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.03 kg/l.

APPLICATION

Ready for use product before applying a paint coat as a finishing coat on BetonDesign and FloorDesign.

PROCESSING

Storage	Store in a cool, frostproof place (between 5 – 25 °C).
Tools	Paint roller type microfiber 9 mm.
Drying	2 hours, accessible after at least 12 hours (apply a possible 2nd coat within 24 hours). Fully hardened after 8 days.
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

310 FINISHCOAT

- The 305 BetonDesign, 395 FloorDesign or 390 FloorColouring must have been created in accordance with the steps described in the instruction manual. The floor must be treated with a coat of 300 BaseCoat first. This coat must be completely dry. BetonDesign walls can be treated directly with 310 FinishCoat.

Instruction manual:

- Shake well (minimum 1 minute) before use.
- When applying the product to the floor wear shoe covers to prevent foot prints.
- After a base coat of 300 BaseCoat has been applied on the floor, allow at least 2 hours to dry, yet apply the top coat of 310 FinishCoat within 24 hours. Allow a minimum drying time of 12 hours. Apply the system using a 9 mm microfiber paint roller. The coating must be applied evenly and without pressure across the entire surface. We advise that you roll the product in every direction.
- It takes approximately 8 days for the top coat to become resistant. Thus it is important that within these 8 days the floor or wall does not get stained and/or damp, as this may lead to a damaged finishing.
- Fresh product stains should always be removed with water immediately.
- Always consult our technical production information sheets first. When in doubt about the use of the product, please contact our Technical Help Desk.
- Product residues and cleaning water drains according to local applicable environmental rules and do not drain in the sewer.
- Avoid contact with eyes and skin and use proper protecting equipment (see our safety sheet).

Contains benzisothiazolinone. May cause an allergic reaction.

Tips to maintain your BetonDesign and FloorDesign floor:

- For the cleaning and maintaining of BetonDesign floors we advice the use of 312 Conditioner. The protective film ensures that less dirt will attach. In the event of regular use, the look of the floor will be preserved (no shiny effect). Never use chlorine or bleach!
- Provide a proper door mat at the entrance.
- Fit out chair legs with soft protection (e.g. cork or felt), and replace them in time should they become damaged.
- Rolling furniture should be fitted out with soft wheels.

Conditions for processing:

Desired room temperature : 18 - 23 °C

Temperature for material and subfloor : min. 15° – max. 20 °C

Relative humidity : 40 - 70%

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.

ITEM DATA

Article	Definition	Packaging	EAN-code
310	FinishCoat	1 kg bottle	8 710345 310130
310	FinishCoat	Box of 12 bottles of 1 kg	8 710345 310123

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310 FINISHCOAT

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TOPCOAT

2-component lacquer system for finishing coloured (390 FloorColouring) levelling floors, 305 BetonDesign on walls and floors and 307 WallDesign walls. This lacquer system provides better protection for intensive use on projects such as shop floors, etc. Before use, combine the components and mix well in accordance with the instructions for use.

PRODUCT TYPING

Base	2 component isocyanate cross-linked synthetic dispersion based coat. Component A : B 83 : 17.
Color	Component A: Transparent. Component B: Cloudy.
Gloss	Silkmat.
Consistency	Thin liquid.

- Beautiful eggshell finish
- No VOC emission
- Water-based
- Easy to process
- Highly UV-proof
- Highly chemical-proof
- Rubber-proof (e.g. hot car tires)
- Hardly prone to scratching
- Extremely good adhesion
- Neutral smell

PROPERTIES

Consumption	75 – 100 g/m ² per coat.
Flammability	Component A: not applicable, Component B: flashpoint 185 °C.
Sensitive to frost	Yes.
Specific weight	1.06 kg/l.

APPLICATION

To apply a top coat in at least two coats to finish a BetonDesign floor or wall.

PROCESSING

Storage	Store in a cool, frostproof place (between 5 – 25 °C).
Tools	Paint roller type: epoxy roller or 2-component Nylon roller 13 mm or paint brush.
Mixing ratio	83 parts by weight of component A 17 parts by weight of component B.

311 TOPCOAT

Processing time	60 minutes (at 20 °C and 60% RH).
Drying	Can be walked on after 8 hours, lightly chargeable after 1 day, at 20 °C. Fully Hardened after 7 days at 20 °C (full mechanically and chemically chargeable).
Shelf Life	6 months, in unopened packaging.
Cleaner	Water.
Remarks	Observe the technical information and safety data sheets of any laying materials used! Please note the batch number. Only use products from the same batch in one application layer. When using products of several batch numbers, mix them before application. Colouring products (e.g. hair dyes, coloured disinfectants) as well as products containing softeners (e.g. vehicle tyres, chair castors, carpet underlays, felt gliders) can lead to irreparable discolouration of the coating layer. The hardened Coating is resistant to chemicals. Nevertheless, in case of possible contact with unknown materials, preliminary tests of the products to be used must be carried out. Please request separate information and care instructions. We recommend Eurocol care and cleaning agents. Clean the tools and dispose of the cleaning water in accordance with the applicable environmental regulations and do not dispose of it in the sewerage system.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The 305 BetonDesign wall or floor must have been created and sanded in accordance with the steps described in the instruction manual.
- This coat must be completely dry.
- The base must be clean, permanently dry, and free of grease, dirt and dust.

Instruction manual:

- Add all of the hardener (component B) to the base (component A). Then mechanically mix the components to a homogeneous mass for at least 3 minutes. Next, pour into a clean empty bucket and mix thoroughly once more. The mixer must have a (plastic) coating.
- When applying the product to the floor wear shoe covers to prevent foot prints.
- Apply this coating system in at least 2 layers, using an epoxy roller or 2-component Nylon roller 13 mm. The coating must be applied evenly and without pressure across the entire surface. We advice to then roll out the coat in random directions.
- After the first coat of 311 TopCoat has been applied, allow at least 8 hours to dry, yet apply the second coat of 311 TopCoat within 48 hours at the latest. After 48 hours, the first coat must first be sanded with a a grit 100 or 120 gauze and then vacuum-cleaned to remove all dust. Allow a minimum drying time of 24 hours. The above-mentioned drying times apply at a temperature of 20 °C. The lower the temperature, the longer the drying time.
- After at least 7 days the top coat is fully mechanically and chemically resistant. This is why it is important that within these 7 days the floor or wall does not get stained and/or damp, as this may lead to a damaged finishing.
- Fresh product stains (not hardened yet) should always be removed immediately with water. After it has hardened the material can only be removed mechanically.
- Always consult our technical production information sheets first. When in doubt about the use of the product, please contact our Technical Help Desk.
- Clean product traces and dispose of cleaning water according to locally applicable environmental rules, and do not dispose of it in the sewer.
- Avoid eye and skin contact and use suitable personal protection equipment (see the safety sheet for this).

Contains 1.2 benzisothiazole-3(2H)-on, Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacat, Methyl-(1,2,2,6,6)-pentamethyl-4-piperidyl)sebacat. May cause an allergic reaction.

More information:

- Keep out of reach of children.
- Thoroughly ventilate the space during and after the application and drying process.
- Do not eat, drink or smoke while you are working with this product.
- If the product comes into contact with the eyes or skin, wash immediately and thoroughly with water.
- Dispose of product residues and cleaning fluids according to locally applicable environmental rules and not into the sewers.
- For comprehensive information about the safety measures refer to the safety information sheet on our website www.eurocol.nl.

Tips to maintain your BetonDesign floor:

- For the cleaning and maintaining of BetonDesign floors we advice the use of 312 Conditioner. The protective film ensures that less dirt will attach. In the event of regular use, the look of the floor will be preserved (no shiny effect). Never use chlorine or bleach!
- Provide a proper door mat at the entrance.
- Fit out chair legs with soft protection (e.g. cork or felt), and replace them in time should they become damaged.
- Rolling furniture should be fitted out with soft wheels.

Conditions for processing:

Desired room temperature : 10 - 23 °C.

311 TOPCOAT

Temperature for material and subfloor : min. 10° – max. 23 °C
Relative humidity : 50 - 80%. (> 60% make sure the room is sufficiently ventilated)

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	PU40
Hazard Class	Product components contain hazardous substances (see safety sheet).
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For detailed safety and environmental information, please refer to our website www.eurocol.nl .
Substances causing allergy	Hardener: Contains isocyanates. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	EAN-code
311	TopCoat	2.5 kg combination pack	8 710345 003124
311	TopCoat	1 kg combination pack	8 710345 311540

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG175281 Version 06, Stand 2023-01-31, ersetzt Ausgabe vom 2018-07-27

311 TOPCOAT

eurocol 312

the strong connection



CONDITIONER

For cleaning and maintaining BetonDesign and LiquidDesign floors. Provides the floor with extra protection and reduces the adhesion of dirt. Protective layer can be removed and replaced during the next cleaning. The appearance of the floor is retained without increasing the gloss.

PRODUCT TYPING

Color	Transparent.
Consistency	Thin liquid.

- Cleans and maintains in one treatment
- Creates a dirt-repellant film
- No visible changes to the BetonDesign
- Economical in use
- Fresh pine scent

PROPERTIES

Consumption	250 grams of Conditioner to 10 litres of water.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Passableness	Once it is completely dry.
pH-value	10
Specific weight	1.02 kg/l.

APPLICATION

For cleaning and conditioning BetonDesign, FloorDesign and FloorColouring floors. The floor is protected by a film that ensures that grime is less likely to become engrained. This film is removed at the next cleaning. In the event of regular use, the look of the floor will be preserved (no shiny effect).

PROCESSING

Storage	Store cool and free from frost.
Tools	Use a mop, preferably microfibre, for maintenance, and a soft brush for cleaning.
Mixing ratio	In all cases, add 250 grams 312 Conditioner to 10 litres of water.
Shelf Life	12 months, in unopened packaging.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

312 CONDITIONER

Instruction manual:

- In case of day-to-day cleaning, first remove any dust and dirt with a dust swiffer and then remove stains with 312 Conditioner using a slightly damp mop. After drying, the floor can be walked on again.
- In the event of periodic cleaning the loose dust and/or dirt must first be removed with a dust swiffer or vacuum cleaner. Next, clean and condition the floor with 312 Conditioner using a damp mop. Once the floor has dried completely, it can be walked on again.
- In the event of occasional conditioning, the loose dust and dirt must first be removed by means of a vacuum cleaner. Then scrub the floor with 312 Conditioner using a soft brush. Remove the dirty water with a floor wiper and mop. Then clean one last time with just clean water and a mop. After drying, condition the floor by applying a film of 312 Conditioner using a mop. Once the floor has dried completely, it can be walked on again.
- Clean the mop and/or brush with water straight away.
- First, always consult our technical production information sheets on www.eurocol.nl.
- Avoid eye and skin contact and use suitable personal protection equipment (see the safety sheet for this).
- Do not release the product into the sewer system, open water or the ground in its undiluted form. Rinse empty jerrycans and bottles with tap water and dispose of them (recyclable material) according to locally applicable environmental regulations.
- In all cases, add 250 grams 312 Conditioner to 10 litres of water.

Product contains: non-ionic surfactants < 5%, soap < 15%, perfumes.

Working conditions:

Required surrounding temperature : 18 - 25 °C.

Temperature for material and subfloor : min. 15° - max 20 °C.

Relative humidity : 55 - 75%.

ENVIRONMENT AND HEALTH

Hazard Class	See safety data sheet.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	Available on request.

ITEM DATA

Article	Definition	Packaging	EAN-code
312	Conditioner	Bottle of 1 kg	8 710345 312011
312	Conditioner	Outer packaging 12 x 1 kg bottles	8 710345 312110

312 CONDITIONER

PREPARATION

eurocol

043

the strong connection



EUROPRIMER ALPHY

Primer to improve the adhesion of gypsum-based levelling compounds and to prevent the elephant skin effect in the levelling layer, when the top of the anhydrite floor is locally or as a whole very absorbent. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) suitable for BREEAM projects.

PRODUCT TYPING

Base	Acrylic dispersion.
Color	Green.
Consistency	Thin liquid.

- Very low emission
- EMICODE EC 1PLUS
- High coverage efficiency

PROPERTIES

Classification	Emicode EC 1PLUS tested conform EN 13999-2/4.
Consumption	100 – 200 g/m ² , for absorbant floors.*
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	Approx. 1.02 kg/l.

APPLICATION

Primer for improving adhesion of plaster-bound levelling compounds to prevent elephant skin effects in the levelling layer, if the surface of an anhydrite floor is locally or globally highly absorbent.

PROCESSING

Storage	Store cool and free from frost.
Tools	Lambswool roller.
Drying	1 - 2 hours.*
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

043 EUROPRIMER ALPHY

Substrate:

- The anhydrite floor must be stable to pressure and traction. The subfloor must also be level, clean, permanently dry, and free of grease, dirt and dust, as per the requirements outlined in DIN 18 365.
- Always consult our technical product data sheets if in doubt. If you have any doubts about using a product, contact our Technical Advice department.

Instruction manual:

- Shake the packaging well before use.
- Apply 043 Europrimer Alphy evenly using a napped roller. Please ensure sufficient primer is applied by regularly loading the roller with fresh product.
- 043 Europrimer Alphy may also be sprayed if desired.
- Do not walk on the floor while the product is drying.
- Once the primer has dried, the floor can be finished further.
- Clean tools immediately with water.
- Remove fresh stains immediately with water.
- Avoid contact with eyes and skin and use suitable personal protection equipment (please refer to our safety sheet).
- Clean product trances and dispose of cleaning water according to locally applicable environmental regulation and do not dispose of in the sewer.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° – max. 20 °C.

Relative humidity : 40 - 70%.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1). May produce an allergic reaction.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class None.

MSDS For detailed information about the safety measures please refer to the safety information sheet on our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code
043	Europrimer Alphy	10 kg jerry can	8 710345 043014

043 EUROPRIMER ALPHY

eurocol

044

the strong connection



EUOPRIMER MULTI

Universal primer to improve the adhesion of levelling compounds on all stone subfloors such as sand-cement screeds and anhydrite cast floors. Also suitable for smooth and sealed surfaces such as terrazzo, ceramic tiles, monolithic floors, etc. Also suitable for wooden floors, old, fixed, water-resistant adhesive residues, asphalt floors. Suitable for indoor and outdoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Acrylic dispersion.
Color	Biały.
Consistency	Thin liquid.

- Very low emission
- EMICODE EC 1PLUS
- Universal application
- Favourable spreading capacity
- IMO certification required projects

PROPERTIES

Classification	Emicode EC 1PLUS tested conform EN 13999-2/4.
Consumption	50 - 75 g/m ² on impervious subfloors. 100 - 200 g/m ² on absorbent subfloors.*
Flammability	Non-flammable.
Sensitive to frost	Good resistance after complete drying.
Specific weight	Approx. 1.01 kg/l.

APPLICATION

Primer for:

- improving the adhesion of levelling compounds and cement-based tile adhesives on all stony surfaces
- wooden floors
- old, fixed and water-resistant adhesive residues
- asphalt floors
- terrazzo
- outdoor application under normal circumstances
- ceramic tiles
- self-levelling anhydrite floors
- power-floated floors.

044 EUROPRIMER MULTI

PROCESSING

Storage	Store cool and free from frost.
Tools	Foam roller or lambswool roller.
Drying	½ - 1 hour on impervious subfloors. 1 - 2 hours on stony absorbent subfloors. App. 6 hours on anhydrite floors.*
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.
Application temperature	

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- The subfloor must have a good tensile and compression strength. The subfloor should also be smooth, clean, permanently dry and free from grease, dirt and dust, according to the requirements of BS 8203 or DIN 18 365.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be thoroughly cleaned and sanded matt after drying.
- Not suitable for moisture sensitive subfloors such as chipboard and water-soluble adhesive residues.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Shake the packaging well before use.
- On smooth and impervious surfaces apply 044 Europrimer Multi evenly with a foam roller. For absorbent subfloors use a lambswool roller.
- If required 044 Europrimer Multi can also be applied with a spray-gun.
- Do not walk on the floor during drying time.
- After drying the subfloor can be treated as required.
- Clean tools immediately after use with water.
- Remove fresh spots immediately with water.
- When applying a second coat or in combination with 026 Eurprimer multi, the 044 Europrimer Multi must be fully dried and walkable.

Working conditions:

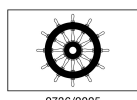
Intended surrounding temperature : 18 - 23 °C.

Material and subfloor temperature : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1). May produce an allergic reaction.

QUALITY AND GUARANTEE



0736/2025



ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
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044 EUROPRIMER MULTI

044	Europrimer Multi	10 kg jerry can	8 710345 044011
044	Europrimer Multi	1 kg bottle	8 710345 004428
044	Europrimer Multi	Box of 12 bottles of 1 kg	8 710345 004411

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

044 EUROPRIMER MULTI

eurocol

044-1

the strong connection



EUROPRIMER MULTI PLUS

Universal primer, dilutable concentrate, fast drying, highly water resistant and ideal before levelling works.

PRODUCT TYPING

Base	Styrene acrylate copolymer dispersions, water, wetting, defoaming and preservative agents.
Color	White.
Consistency	Liquid.

- Primer to be diluted with water for priming of absorbent and non-absorbent, mineral-based subfloors, wooden composites, mastic asphalt before levelling or adhesion works.
- Water resistant, especially for application of levelling compound in thick layers. Ensures overall equal absorbency.
- Fast film building and drying.
- Can be applied on underfloor heating systems.
- For indoor use.
- Very low emission certified EMICODE EC1 Plus.
- Low emission, low solvent according to Blue Angel UZ 113.
- Declares by baubook, "ecological building product".

PROPERTIES

Consumption	depending on substrate and dilution approx. 50 - 150 g/m ² .
Flammability	Non-flammable.
Frost resistance	No.

APPLICATION

- as a dust-binding primer on absorbent surfaces,
- as adhesion promoter on dense substrates

before filling or gluing work.

PROCESSING

Storage	Store cool and free from frost (5° - 30 °C).
Tools	Foam roller or lambswool roller.
Mixing ratio	undiluted on impervious subfloors and wooden subfloors. 1 : 2 on stony absorbent subfloors. 1 : 1 on anhydrite floors.
Drying	4 - 6 hour on impervious subfloors. 0,5 hours on stony absorbent subfloors. App. 15 hours on anhydrite- or wooden floors.*
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.

044-1 EUROPRIMER MULTI PLUS

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Forbo Eurocol Deutschland GmbH | August-Röbling-Straße 2 | DE - 99091 Erfurt | PF 80 02 53 | Telefon: +49 361 730 41 0 | info.eurocol.de@forbo.com

Eurocol is part of the Forbo Group



Remarks	<p>Please pay attention to the technical data sheet and safety data sheet issued by the floor covering manufacturer. Relevant norms and regulations are to be respected. Please pay attention to the technical and safety data sheets. Cannot be applied on old stone panel screeds and magnesia screeds and under 1 and 2 component parquet adhesives. Not suitable for water-soluble adhesive residues (such as sulfite waste adhesives) or fixings. For subsequent self-levelling and bonding of parquet use Eurocol 048 Europrimer Plus. For self-levelling thicker than 10 mm, released Eurocol reactive primers are to be used.</p> <p>EMICODE, for more information: www.emicode.com</p>
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** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be thoroughly cleaned and sanded matt after drying.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Europlan 913 Silicate sealing compound.
- In case of defects, objections are to be reported in writing.

Instruction manual:

- Shake the container before use!
- Before application, let product acclimatize to room temperature.
- Depending on the application area, dilute and mix carefully.
- Apply evenly without creating puddles.
- The drying time depends on the quantity applied, as well as the room temperature and humidity. Let the primer fully dry before continuing further.

Pay attention to the table:

Subfloor	Dilution	Maximum layer thickness of the subsequent levelling	Drying time
To use with cementitious Eurocol levelling compounds			
Absorbent cement-based screeds	1:2	10 mm	0,5 hrs
Calciumsulfate-based screeds (Anhydrite)	1:1	10 mm	15 hrs
Dry screeds	1:1	10 mm	15 hrs
Dense subfloors, ceramic tiles.	undiluted	10 mm	4 - 6 hrs
Mastic asphalt	undiluted	5 mm	4 - 6 hrs
Wooden composite boards	undiluted	10 mm	15 hrs
To use with caluim-sulphate Eurocol levelling compounds			
Absorbent cement-based screeds	1:2	10 mm	15 hrs
Calciumsulfate-based screeds	1:1	10 mm	1 hrs
Dry screeds	1:1	10 mm	1 hrs
Dense subfloors, ceramic tiles	undiluted	10 mm	15 hrs
Mastic asphalt	undiluted	8 mm	15 hrs
Wooden composite boards	undiluted	10 mm	15 hrs

For intermediate priming of cementitious, self-levelling or stable levelling compounds in their multi-layer installation, the first levelling layer must be completely dry. The intermediate primer is applied with a dilution of 1:5 with water!

For direct bonding of textile flooring on standard screed, dilute 1:5 (water) to bind residual dust.

After dilution, use the resulting mixture immediately. The shelf life is limited by dilution.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

QUALITY AND GUARANTEE

044-1 EUROPRIMER MULTI PLUS

ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	productname	packaging	shipping unit
044-1	Europrimer Multi Plus	PE jerry can à 10 kg	60/pallet
044-1	Europrimer Multi Plus	PE jerry can à 2,5 kg	120/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG134504, Version 06, Stand 2021-05-25, ersetzt Ausgabe vom 2020-01-16

044-1 EUROPRIMER MULTI PLUS

eurocol 048

the strong connection

EUOPRIMER PLUS

Universal Primer under levelling compound and parquet adhesives, high end, universal, very high water resistance and blocks plasticizer migration.



PRODUCT TYPING

Color	White.
Consistency	Medium-viscous.

- High-end, ready-to-use dispersion primer for absorbent and non-absorbent cement- and calcium sulphate- (gypsum) based subfloors (screed), gypsum-based floor boards, wooden composites, stone, ceramic and mastic asphalt.
- Ideal before levelling works to ensure overall equal absorbency, to bind dust and to cover old adhesive residues according to data sheet.
- Applicable before adhesive works with suitable reactive or plasticizer containing, one-component SMP and two-component PU adhesives.
- The product can be used on underfloor heating surface.
- For indoor use only.
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Consumption	Depending on absorbency, evenness of the substrate approx. 100 g/m ² .
Frost resistance	No.
Special quality	High plasticiser resistance. On absorbent and non-absorbent substrates universally applicable under filler compounds or adhesives. Ready to use!

APPLICATION

- as a dust-binding primer on absorbent surfaces before filling or gluing work,
- as adhesion promoter on dense substrates before filling or gluing work.

PROCESSING

Storage	Store cool and dry in unopened packaging between +5 °C and + 30 °C.
Drying	Approx 3 - 4 hrs. (sticky free surface). *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	Relevant norms and regulations are to be respected. Please pay attention to the technical and safety data sheets. Attention must be taken to ensure a sufficiently thick leveling under the floor covering/parquet. The primer cannot be used on Stonewood floors and magnesita floors, terrazzo, stone floors, natural stone. In case of mastic asphalt screeds (DIN 18354 /EN 13813), the maximum layer thickness of levelling work on shall be taken from the respective data sheets of the levelling compound. Levelling works with approved

048 EUOPRIMER PLUS

mineral-based Eurocol levelling-compound can be used up to a maximum 10 mm layer thickness.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be thoroughly cleaned and sanded matt after drying.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Europlan 913 Silicate sealing compound.
- In case of defects, objections are to be reported in writing.

Instruction manual:

Allow the primer to reach room temperature before application.

- Shake well before use.
- Always use the product undiluted!
- Apply evenly without puddles to the professionally prepared substrate.
- The drying time depends on the quantity applied as well as on the room temperature and humidity, and the further use of the material. Always allow the applied primer to dry thoroughly.

Levelling work:

Once the primer is completely dry, it can be levelled with Eurocol levelling compound suitable for the substrate and adapted to the subsequent use. Filling work must be carried out within 3 days.

Gluing parquet and flooring:

After the primer has dried through, parquet flooring conforming to standards can be glued directly onto the primer in combination with Eurocol 1-component and 2-C reaction adhesives.

Processing conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	productname	packaging	shipping unit
048	Europrimer Plus	PE jerry can à 10 kg	60/pallet
048	Europrimer Plus	PE jerry can à 2,5 kg	8 per box 120/pallet

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048 EUROPRIMER PLUS

any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG134505, Version 13, Stand 2023-02-02, ersetzt Ausgabe vom 2022-12-15

048 EUROPRIMER PLUS

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Eurocol is part of the Forbo Group



eurocol

049

the strong connection



EUROPRIMER ABS

Ready-to-use, strong impregnating primer to improve the adhesion of, among other things, levelling compounds and floor covering adhesives on absorbent gypsum and cement-based walls and floors, sheet material, etc. Suitable for indoor and outdoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Acrylic dispersion.
Color	Blue.
Consistency	Thin liquid.

- Very low emission
- EMICODE EC 1PLUS
- User friendly
- Non-flammable
- Favourable spreading capacity
- High penetration capacity

PROPERTIES

Classification	Emicode EC 1PLUS tested conform EN 13999-2/4.
Consumption	100 - 150 g/m ² .*
Sensitive to frost	Good resistance after complete drying.
Specific weight	1.0 kg/l.

APPLICATION

Primer for:

- improving the adhesion of levelling compounds on absorbent and stony subfloors
- improving the top-layer of absorbent and stony subfloors
- self-levelling anhydrite floors, that must be levelled and/or on which a floor covering must be applied.

PROCESSING

Storage	Store free from frost. Protect against high temperatures.
Tools	Lambswool roller, brush or spray-gun.
Drying	1 - 2 hours.*

049 EUROPRIMER ABS

Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The subfloor must be moisture-absorbent and have a good tensile and compression strength. The subfloor should also be clean, permanently dry and free from grease, dirt and dust, according to the requirements of BS 8203 or DIN 18 365.
- For the requirements pertaining to calcium sulphate-bound cast floors we refer to the CUR recommendation [Cast floors with calcium sulphate as a binding agent] (Foundation CUR in Gouda), number 107.
- On very porous anhydrite subfloors we advice, to avoid the chance of an orange peel effect, to apply 2 coats of 044 Europrimer Multi or 1 coat of 043 Europrimer Alphy.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply 049 Europrimer ABS evenly and covered with a lambswool roller and/or brush.
- If required 049 Europrimer ABS can also be applied with a spray-gun.
- After drying the subfloor can be treated as required.
- Clean tools immediately after use with water.
- Remove fresh spots immediately with water.
- Avoid contact with eyes and skin and use suitable personal protection equipment (please refer to our safety sheet).
- Product residues and cleaning water drains according to local applicable environmental rules and do not drain in the sewer.

Working conditions:

Intended surrounding temperature : 15° - 23 °C.

Material and subfloor temperature : min. 10° - max 25 °C.

Relative humidity : 40 - 70%.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1). May produce an allergic reaction.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	Available on request.

ITEM DATA

Article	Definition	Packaging	EAN-code
049	Europrimer ABS	10 kg jerry can	8 710345 049016

049 EUROPRIMER ABS

eurocol

050

the strong connection

EUOPRIMER MIX

Dispersion primer and dilutable concentrate.

PRODUCT TYPING

Color	White.
Consistency	Liquid.

- Highly economical primer to be diluted with water for use on cement-based, absorbent subfloors (screed) to bind dust and ensure overall equal subfloor absorbency before levelling and adhesive works.
- To be diluted with water, depending on subfloor absorbency (mixing ratio up to 1:4-5 with water).
- For Indoor use.
- Very low VOC emission EMICODE EC 1.

PROPERTIES

Consumption	approx. 40 g/m ² at dilution 1 : 4, an increased absorbency of the substrate can lead to additional consumption.
Frost resistance	No.
Special quality	Very economical.

050 EUOPRIMER MIX

APPLICATION

- as a dust-binding primer on absorbent surfaces, before filling or gluing work.

PROCESSING

Storage	Store free from frost. Protect against high temperatures.
Tools	Lambswool roller, brush or spray-gun.
Mixing ratio	1 : 4 on stony absorbent subfloors.
Drying	30 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Europlan 913 Silicate sealing compound.
- In case of defects, objections are to be reported in writing.

Instruction manual:

- Allow the primer to reach room temperature before application.
- Shake well before use.
- Depending on the absorbency of the substrate and porosity, dilute the dispersion primer with water in a ratio of 1:4 to 1:5 and mix thoroughly.
- As an intermediate primer for Eurocol cementitious levelling compounds, dilute with water at a ratio of 1:7 and mix carefully. Before applying the intermediate primer, the first layer of filler must be completely dry.
- Apply evenly without puddle formation on the professionally prepared substrate. The primer can also be sprayed, protecting adjacent components from contamination.
- The drying time depends on the quantity applied as well as on the room temperature and humidity, and the further use of the material.

Application conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.

050 EUROPRIMER MIX

Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Productname	Packaging	Shipping unit
050	Europrimer Mix	PE jerry can à 10 kg	60/pallet
050	Europrimer Mix	PE bottle à 1 kg, 12 bottles per box	384/pallet

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BG134500, Version 07, Stand 2020-08-19, ersetzt Ausgabe vom 2016-10-27.

050 EUROPRIMER MIX

eurocol 070

the strong connection



EUROPRIMER FILL

Ready-to-use, very fast-drying, filled, primer to improve adhesion on absorbent and non-absorbent mineral substrates such as sand-cement screeds, calcium sulphate-bound screeds, wooden floorboards, parquet, cast asphalt and ceramic tiles. Levels out small irregularities in the substrate. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) suitable for BREEAM projects.

PRODUCT TYPING

Base	Acrylic dispersion.
Color	Yellow.

- Ready to use, one-component, fast drying primer to prime and fill (in one step) absorbent and non-absorbent cement- and calcium sulphate (gypsum) based subfloors (screed), stonewood screed, ceramic tiles, wooden floorboards, parquet, mastic asphalt, gypsum based floor boards such as Fermacel, Knauf.
- For priming and levelling of slight irregularities and joints on ceramic tiles, planks, parquet, wooden composites, gypsum-based floor boards before levelling works.
- Adhesive promoter for levelling works on approved damp proof membrans.
- For indoor use.
- Very low VOC emission. EMICODE EC 1 Plus.
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Colour fastness	Yellow.
Consumption	App. 100 – 150 g/m ² .
Sensitive to frost	Yes.
Specific weight	Approx. 1.30 kg/l.

APPLICATION

Primer for:

- as a dust-binding primer on absorbent surfaces,
- as adhesion promoter on dense substrates,
- for filling slight unevenness and joints in ceramic tiles, parquet etc.,
- as a substitute for quartz sand blinding on Eurocol reactive primers approved for this purpose before filling or gluing work.

PROCESSING

070 EUROPRIMER FILL

Storage	Store cool and free from frost.
Tools	Rubber spatula, brush, microfibre roller.
Open time	Revise within 24 hours.
Drying	1 - 2 hours on stony absorbent subfloors. Min. 2 hours under calcium sulphate-based levelling compounds. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>With dense subfloors or deeper joints, drying will be slower. Here, the use of fans can reduce the Drying can be accelerated.</p> <p>Use released Eurocol reactive primers for subsequent levelling over 5 mm. These must be sprinkled with quartz sand.</p> <p>On mastic asphalt screeds (DIN 18354 / EN 13813), the approved maximum layer thickness for levelling work must be in accordance with the respective Data sheets of the levelling compounds are available.</p> <p>Not to be used on old stone-wood screeds and magnesia screeds on terrazzo, stone floors, natural stone (deep impurities), not directly under reactive Eurocol adhesives. EMICODE, for further information please visit www.emicode.com.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be thoroughly cleaned and sanded matt after drying.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Europlan 913 Silicate sealing compound.
- In case of defects, objections are to be reported in writing.

Instruction manual:

- Before use, stir and allow to come to room temperature. For longer breaks in work, stir again to achieve a homogeneous mixture.
- Apply undiluted and evenly on the prepared substrates. Avoid puddle formation to ensure even drying.
- In case of deeper joints, if necessary, apply a 2nd coat after about 30 - 60 minutes to reduce joint tilting of the following filler.
- After drying for about 1 - 2 hours, depending on the absorbency of the substrate, the room climate and the quantity applied, a second coat can be applied with Eurocol levelling compounds suitable for the substrate and adapted to the subsequent use.
can be filled.
- When using as adhesion promoter on Eurocol reactive resin primers approved for this purpose, it must be ensured that the application is carried out on a surface of the reactive resin primer that has been cured without adhesive and roughened with a black pad.

Eurocol 042 Euroblock Turbo	1-C - PUR-Primer
Eurocol 015 Euroblock MS	1-C - SMP - Damp Proof Coat
Eurocol 021 Euroblock Reno LE	2-C - EP Blocking Primer

Filling work must be carried out within 24 hours.

Use released Eurocol reactive primers for subsequent levelling over 5 mm. These must be sprinkled with quartz sand.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

070 EUROPRIMER FILL

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Productname	Packaging	Shipping unit
070	Europrimer Fill	PE bucket à 15 kg	40/pallet

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BG134508, Version 13, Stand 2021-09-23, ersetzt Ausgabe vom 2020-08-19

070 EUROPRIMER FILL

eurocol 078

the strong connection



EUROPRIMER POLARIS

Frost resistance universal primer, water dilutable concentrate for different types of absorbent and non-absorbent subfloors, universal bonding promotor for dense subfloors, deeply penetrating primer for extremely absorbent subfloors, frost resistant and perfect for winter transport.

PRODUCT TYPING

Color	White.
Consistency	Liquid.

- Frost-resistant for transport (re-defrostable) primer.
- To be diluted with water for priming of absorbent and non-absorbent substrates, before levelling or adhesion works. Dilution depending on the subfloor.
- Fast film building and drying.
- Can be applied on underfloor heating systems.
- For indoor use.

PROPERTIES

Consumption	depending on substrate approx. 100-150 g/m ² , increased absorbency of substrates can lead to increased consumption.
Frost resistance	Yes.
Special quality	Frost-resistant (for winter transport) concentrate.

APPLICATION

- as a dust-binding primer on absorbent surfaces,
- as adhesion promotor on dense substrates

before filling or gluing work.

PROCESSING

Storage	Store cool and free from frost.
Tools	Foam roller or lambswool roller.
Mixing ratio	undiluted on wooden subfloors and anhydrite floors. 1 : 1 on stony absorbent subfloors.
Drying	15 hour on impervious subfloors, wooden subfloors, 0,5 hours on stony absorbent subfloors, 15 hours on anhydrite floors.*
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.

078 EUROPRIMER POLARIS

Cleaner	Water.
Remarks	<p>Please pay attention to the technical data sheet and safety data sheet issued by the floor covering manufacturer.</p> <p>Relevant norms and regulations are to be respected.</p> <p>Cannot be applied on old stone panel screeds and magnesia screeds and under 1 and 2 component parquet adhesives. Not suitable for water-soluble adhesive residues (such as sulfite waste adhesives) or fixings.</p> <p>For subsequent self-levelling and bonding of parquet use Eurocol 048 Europrimer Plus. For self-levelling thicker than 10 mm, Eurocol reactive primers are to be used.</p> <p>For subsequent self-leveling over 10 mm thickness is it necessary to use Eurocol reactive primers.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be thoroughly cleaned and sanded matt after drying.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Europlan 913 Silicate sealing compound.
- In case of defects, objections are to be reported in writing.

Instruction manual:

- Shake the container before use!
- Before application, let product acclimatize to room temperature.
- Depending on the application area, dilute and mix carefully.
- Apply evenly without creating puddles.
- The drying time depends on the quantity applied, as well as the room temperature and humidity. Let the primer fully dry before continuing further.

Pay attention to the table:

Subfloor	Dilution	Drying time
To use with cementitious Eurocol levelling compounds		
Absorbent cement-based screeds	1:1	0,5 hrs
Calcium sulfate-based screeds (Anhydrite)	undiluted	15 hrs
Dry screeds	undiluted	15 hrs
Dense subfloors, ceramic tiles.	undiluted	15 hrs
Mastic asphalt	1:1	15 hrs
Wooden composite boards	undiluted	15 hrs
To use with calcium-sulphate Eurocol levelling compounds		
cement screeds	1:1	15 hrs
Calcium sulfate-based screeds and dry screeds	undiluted	Approx. 1 hour for complete drying in 5 mm thickness. For application above 5 mm, drying time is increased to 15 hrs.
composite boards	undiluted	15 hrs

078 EUROPRIMER POLARIS

For intermediate priming of cementitious, self-levelling or stable levelling compounds in their multi-layer installation, the first levelling layer must be completely dry. The intermediate primer is applied with a dilution of 1:4 with water!

For direct bonding of textile flooring on standard screed, dilute 1:4 (water) to bind residual dust.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D2
LEED	VOC 40,8 g/l
DGNB	VOC 4 %, quality level: 3
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
078	Europrimer Polaris	PE jerry can à 10 kg	60/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG134509, Version 03, Stand 2019-08-08, ersetzt Ausgabe vom 2015-09-15.

078 EUROPRIMER POLARIS

DPM SYSTEMS

eurocol 015

the strong connection



EUROBLOCK MS

Water-free 1-component SMP moisture barrier. For blocking capillary moisture on absorbent cementitious substrates up to 4 CM %, 95% RF. Blocking in only one operation. Easy application method with defined quantity. Contains no components capable of migration. No need to mix with a hardener to avoid hardening losses or possible mixing errors.

PRODUCT TYPING

Base	SMP polymer
Color	Beige.
Consistency	Thin liquid.

- Ready to apply, fast hardening One-component SMP moisture reaction resin primer to block non-pressing residual moisture in cement screed up to 4 %CM, 95% RT.
- For strengthening surface edge zones of mineral substrates.
- Can be used as adhesion promoter on mastic asphalt, ceramic tiles, fixed wood-based panels (V100 P4 - P7, OSB panels 2 - 4), can be used as moisture protection for moisture-sensitive substrates, for covering fixed, water-soluble adhesive residues.
- Prime with 070 Europrimer Fill before using self-levelling compound.
- Suitable for direct bonding of parquet with Eurocol 1C adhesives.
- Suitable* for direct bonding of parquet with Eurocol 1K adhesives.
- The product can be used on permanently dry, heated floor constructions.
- For interior use.
- Contains no migratory components.
- Solvent-free according to TRGS 610 and very low emission laying material, EMICODE EC1 Plus.
- Low emission, low solvent according to Blue Angel UZ113.
- Declared by baubook, "ecological building product".

PROPERTIES

Consumption	Approx. 150 - 250 g/m ² (per application, depending on substrate and application).
Flammability	Non-flammable.
Frost resistance	Yes.
Special quality	Damp proof membrane up to 4 CM%, 95 % RF.
Specific weight	1.1 kg/l.

APPLICATION

- to block non-pressing residual moisture in cement screed up to 4 %CM, 95% KRL (TKB),
- for strengthening surface edge zones of mineral substrates,
- can be used as adhesion promoter on mastic asphalt, ceramic tiles, fixed wood-based panels (V100 P4 - P7, OSB panels 2 - 4),
- can be used as moisture protection for moisture-sensitive substrates,
- for covering fixed, water-soluble adhesive residues.

015 EUROBLOCK MS

PROCESSING

Storage	Store cool and dry.
Tools	Lambswool roller 7 mm, A2 notched trowel.
Waiting time	3-72 hours.
Drying	At 20 °C, 3 - 4 hours.*
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Remarks	<p>Technical information and safety data sheets of any laying materials and floorings/parquet used must be followed and the processing conditions must be observed!</p> <p>If the moisture content is higher than 4CM% or cement-based composite screeds/concrete used, apply a Eurocol 2-K EP primer (e.g. 021 Euroblock Reno LE)!</p> <p>In addition, make sure that the temperature of the substrate is 3 degrees above the dew point temperature. The application must be carried out at a constant or falling temperature in order to prevent the formation of bubbles due to the expansion of air in the Avoid subfloor.</p> <p>Ensure good ventilation after application and during the hardening process.</p> <p>The wet surface must be protected from direct contact with water during the entire hardening phase.</p> <p>In the case of primed floors, ensure sufficient ventilation behind cupboards and skirting boards.</p> <p>No building barrier measures according to DIN 18195, therefore not applicable in case of pressing, constantly rising humidity and with vapour diffusion.</p> <p>Not suitable as a primer on concrete.</p> <p>EMICODE, for further information see www.emicode.com.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be compression and tension resistant, permanently dry (cement screeds up to 4CM%), free from cracks and dust, even, free from adhesion-reducing layers.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures according to the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be professionally cleaned and sanded matt after drying.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol grouting compounds Europlan 913 Silicate.
- In the event of defects, objections must be made in writing.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Apply the primer thinly and evenly on the prepared substrate, avoid puddle formation at all costs, as in thicker layers the hardening is delayed (skin formation) and this can lead to incorrect bonding, imperfections in the waterproofing.
- When used the primer to stabilise surface edges, the material should be applied with a short pile (e.g. 7 mm) nylon roller.
- When used as DSM, blocking off residual moisture in cement screeds, apply with a new toothed trowel A2 (TKB) and apply at least 250 g/m² in a closed layer. Immediately apply a thick layer of the product to any imperfections that appear at higher absorbency. Alternatively, to reduce the absorbency of the substrate, prepare the surface with a short pile nylon roller, allow to set for a short time and finish wet-on-wet with toothed trowel.
- Low air humidity and/or high application rates delay the drying of the primer.
- Before further processing, the surface must be tack-free.
- If the surface is tack-free or within 72 hours, it can be bonded directly with the approved* Eurocol 1K adhesives.

When using Eurocol 2-component adhesives, the last layer still wet surface of the primer must be completely sanded with 846 Europlan sand, grain size 0.4 - 1.0 mm, consumption approx. 2 - 2.5 kg/m².

For subsequent levelling work up to a layer thickness of 5 mm, the thoroughly dried, tack-free primer is primed with Eurocol 070 Europrimer Fill as an adhesion promoter. Before applying the intermediate primer, pad the surface completely with black pad.

In case of heavy use of the surface (rolling) and / or high layer thickness of the levelling compound (>5mm), sprinkle the primer with 846 Europlan Sand in excess (1.5 - 2.5 kg/m²). To do this, apply a second thin coat of the primer and sprinkle it immediately. After the primer has set, the unbound sand must be vacuumed off.

***Released adhesives:**

Eurocol 120 Euroflex MS	- 1-K SMP flooring adhesive
Eurocol 157 Eurowood MS	- Universal 1-K SMP adhesive
Eurocol 159 Eurowood MS PRO	- 1-K SMP adhesive especially for multilayer parquet
Eurocol 153 Eurowood LE	- low emission, 1-K SMP adhesive
Eurocol 154 Eurowood MS SF Ultra	- Shear-resistant 1-K SMP adhesive

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended >65%.

015 EUROBLOCK MS

In the case of blocked, wet floors, make sure there is sufficient ventilation behind cupboards and skirting boards.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	RS25
LEED	VOC 1 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0,09 %, quality level: 4
Hazard Class	Product contains hazardous ingredients. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .

ITEM DATA

Article	productname	packaging	shipping unit
015	Euroblock MS	PE jerry can à 11 kg	60/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG146815_Version 11_Stand 2023-06-20, ersetzt Ausgabe 2022-07-26

015 EUROBLOCK MS



eurocol 021

the strong connection



EUROBLOCK RENO LE

2-component epoxy primer, applicable as a moisture barrier on clean, waterproof, stony surfaces. Apply at least two layers (consumption 1st layer min. 250 g/m² and 2nd layer min. 150 g/m²). For good adhesion of the levelling compound, immediately sprinkle the second layer while it is still wet with 846 Quartsand (gross consumption 4 kg/m², net consumption 1.5 kg/m²) or allow the second layer to dry well and prime with a bonding layer 044 Europrimer Multi. The residual moisture percentage in the subfloor may not exceed 6.0% (CM). Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Component A: epoxy resin. Component B: amines
Color	Resin: transparent, hardener: yellow.
Consistency	Thin liquid.

- 2-component epoxy resin for blocking non-pressing residual moisture in cement screed and concrete
- For strengthening surface edge zones.
- Suitable as bonding layer on mastic asphalt, ceramic tiles, wood-based panels or as a moisture protecting layer of moisture sensitive subfloors.
- To cover fixed, water-soluble adhesive residues.
- For the production of epoxy mortars in combination with Eurocol 846 Europlan Sand/847 Europlan Sand fine.
- For blocking non-residual moisture in unheated cement screeds without limiting residual moisture.
- For indoor use only.
- Very low emission certified EMICODE EC1 Plus.
- Declared by baubook, "ecological building product".

PROPERTIES

Consumption	depending on the absorbency and surface structure, approximately 300-500g/m ² per coat
Flammability	Non-flammable.
Sensitive to frost	No.
Special quality	Damp proof membrane without limit.
Specific weight	1.12 kg/l.

APPLICATION

- for blocking non-pressing residual moisture in cement screed and concrete without limitation of residual moisture,
- for strengthening surface edge zones.
- suitable as bonding layer on mastic asphalt, ceramic tiles, wood-based panels,
- suitable as a moisture protecting layer of moisture sensitive subfloors, to cover fixed, water-soluble adhesive residues,

021 EUROBLOCK RENO LE

- for the production of epoxy mortars.

PROCESSING

Storage	Store cool and dry.
Tools	Lambswool roller.
Mixing ratio	1,8 : 1 (l) volume, 6,6 : 3,4 (kg) weight
Curing	Final bond strength between 2 coats. 24 hours (passable).*
Processing time	Use within 30 minutes after mixing.*
Waiting time	16-48 hours..
Drying	At 20 °C, 16 hours per coat.*
Shelf Life	Approx 24 Months, in unopened packaging. Do not mix partial portions.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.
Application temperature	3 degrees above the dew point temperature.
Remarks	Technical information and safety data sheets of any laying materials and floorings/parquet used must be followed and the processing conditions must be observed! No building barrier measures according to DIN 18195, therefore not applicable in case of pressing, constantly rising humidity and with vapour diffusion. EMICODE, for further information see www.emicode.com .

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- The substrate must be pressure- and tension-resistant, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be thoroughly cleaned and sanded matt after drying.
- Smoothed concrete floors, cement screeds and vacuum concrete are to be shot-blasted.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Europlan 913 Silicate sealing compound.
- In case of defects, objections are to be reported in writing.

Instruction manual:

Before use, temper the product according to the processing conditions.

- Add comp. B to comp. A, therefore cut through the synthetic cap and bottom of component B with a screwdriver. Thereafter unlock the packaging, in this way the hardener will easily penetrate into the resin.
- Stir mechanically to a homogeneous mixture.
- Apply the mixture immediately with a lambswool roller. Avoid puddles.
- On strong porous subfloors as well as application as a DPM apply after 16 - 24 hours a second coat.
- To avoid adhesion problems of levelling compounds sprinkle the last coat always with 846 Quartsand. As a DPM sprinkle the second coat.
- After 24 hours remove excess 846 Quartsand with a broom or industrial vacuum cleaner.
- For sealing seams and cracks mix the product with 846 Quartsand until the required thickness. Fill the seam or crack with the mixture and seal the seams to approx. 20 cm width with the primer and thereafter apply 063 Eurotape into the wet coat. Thereafter prime with the product and sprinkle directly with 846 Quartsand.
- Lower temperatures < 10 °C will increase the finale bond strength significantly.

Use as reaction mortar:

By adding Eurocol 846 Europlan Sand and/or 847 Europlan Sand fine (depending on the desired layer thickness and viscosity), the product can be used to produce a reaction mortar as a levelling mortar to stable filling mortar (mixing ratio mass% 1 : 0.8 to 1 : 9 - resin : sand). The freshly applied reaction mortar must be sanded in the same way as a primer.

It is advantageous if the produced mortar is applied to the freshly applied primer, wet-in-wet. The flanks of adjacent screeds should also be primed.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

Pay attention to BG Chemical information leaflet M023 "working with Polyester and epoxy resins" DGUV Information 201-062 "EP resins in the construction industry" and BGR227 work with epoxy resins.

When using as a moisture barrier, make sure there is enough ventilation at skirting and behind cupboards.

021 EUROBLOCK RENO LE

Only mix complete bucket contents!

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	RE30
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Product contains hazardous ingredients in the resin and hardener. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .
Substances causing allergy	Contains epoxy constituents. May produce an allergic reaction.

ITEM DATA

Article	productname	packaging	shipping unit	EAN code
021	Euroblock Reno LE	tin combi pack à 10 kg	45/pallet	4 026956 991090
021	Euroblock Reno LE	tin combi pack à 3 kg		8 710345 002134

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG145800, Version 10, Stand 2020-03-11, ersetzt Ausgabe vom 2018-12-10.

021 EUROBLOCK RENO LE

eurocol 023

the strong connection



EUROBLOCK FAST

2-component, fast-setting and solvent-free epoxy primer, applicable as a moisture barrier on clean, waterproof, stony surfaces. Apply at least two layers using an A2 notched trowel due to the relatively short pot life of approx. 10 minutes. To ensure good adhesion of the leveling compound, immediately broadcast the second, still wet layer to full opacity with 846 Quartsand (gross consumption 4 kg/m², net consumption 1.5 kg/m²) or allow the second layer to dry thoroughly and prime with an adhesive layer 044 Europrimer. Multi. The residual moisture percentage in the subfloor may not exceed 6.0% (CM). Suitable for indoor use.

PRODUCT TYPING

Base	Component A: epoxy resin. Component B: amines.
Color	Transparent.
Consistency	Thin liquid.

- Can withstand foot traffic after 3.5 hours
- Suited for floor heating constructions
- Economic
- Excellent penetration
- Can be used as a moisture barrier
- Suited for the injection of hollow spaces under parquet floors

PROPERTIES

Consumption	Approximately 300 - 400 g/m ² per coating, depending on the absorption capacity and levelness of the base.
Flammability	Non-flammable.
Sensitive to frost	No.
Specific weight	1.10 g/cm ³ .

APPLICATION

- For the reinforcement of degrading screeds, bituminous bases, cracked tiling and fixed, water-soluble adhesive residue.
- As a moisture barrier, on moisture-sensitive bases, e.g. anhydrite (calcium sulphate), wood granite etc. which prevent the mixing water from the levelling products from penetrating the base.
- For protecting concrete and cement floors against rising damp or residual moisture.
- To reinforce unstable surfaces.
- Applicable to slightly greasy bases, provided these have an open pore structure.
- Also suited for sealing cracks and seams in the base. Possibly in combination with 808 Eurojoint Connector and/or 063 Eurotape.

023 EUROBLOCK FAST

PROCESSING

Tools	A2 notched trowel.
Curing	Per coating at 20 °C after it can withstand foot traffic for further processing after 3 hours.*
Curing between 2 layers	at 20 °C ready for further finishing after 3.5 hours.*
Setting time	16 - 24 hours
Open time	10 minutes (measured based on 100 gram at 23 °C).
Processing time	After mixing within 10 minutes
By drying	At 20 °C 3.5 hours per coat*
Shelf Life	24 months, in case of proper storage and in an unopened packaging.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- The base must be sufficiently pressure and traction proof. Furthermore, the base must be level, clean, grease and dirt free, in accordance with the requirements stated in DIN 18 365.
- If necessary, sand the surface clean and vacuum it dust-free using an industrial vacuum cleaner.
- Completely remove any floor covering adhesive residue or other contamination, so that a clean subfloor is created before the 023 Euroblock Fast is applied as a moisture barrier.
- Subfloors such as wood granite, monolith concrete and sand-cement must first be shot blasted, milled or sanded (depending on the situation).
- Degrease ceramic tile floors in advance with 014 Euroclean and allow to dry thoroughly.
- 023 Euroblock Fast is suitable as a moisture barrier on moisture-resistant subfloors.
- The top of the base must be dry ($\leq 0\%$ CM measurement in cementitious and $\leq 1\%$ in gypsum-based floors).
- There may be no pressure moisture.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add comp. B to comp. A by puncturing the plastic top and bottom of comp. B with a screwdriver. Then loosen the ring clasp for venting, so that the hardener is added to the resin faster.
- Mechanically mix the components for at least 3 minutes using a slow stirrer (max. 300 revs) until a homogeneous mass is obtained.
- After the product has been mixed, pour it into a clean bucket and stir for one more minute.
- In case of a strongly absorbing base and if using the product as a moisture barrier, apply a 2nd coating of 023 Euroblock Fast after at least 5 hours but within 24 hours.
- To avoid adhesion issues of levelling coatings always sprinkle 846 Quartsand on the final coating until fully covered. As an alternative, it is also possible to provide the final coating of 023 Euroblock Fast with a coating of 044 Europrimer Multi after the former has dried sufficiently. Apply a thin yet covering coat of this primer using a foam roller.
- Remove the non-absorbed particles of 846 Quartsand after 5 hours using a broom and an industrial vacuum cleaner.
- For the sealing of cracks and seams: mix the 023 Euroblock Fast with 846 Quartsand until you have achieved the desired thickness (maximum mixing ratio: 2.5 kg 846 Quartsand to 1 kg 023 Euroblock Fast). Fill the crack of seam with the mixture and then spread the seams to an approximated width of 20 cm with pure 023 Euroblock Fast and then press 063 Euroband into the wet coating. Next, saturate this properly with 023 Euroblock Fast and immediately sprinkle 846 Quartsand on it. Alternatively, seams and cracks in the base can be fixed with 808 Eurojoint Connector in combination with 023 Euroblock Fast.
- Processing at lower temperatures $< 10\text{ °C}$ extends the setting time considerably.
- Injection can be done with a professional syringe available from specialist retailers.
- Avoid contact with eyes and skin and use suitable protective equipment (see our safety data sheet).
- Dispose of product residues and cleaning water in accordance with local environmental regulations and do not dispose of them in the sewer.
- For detailed safety and environmental information, we refer to the safety information sheet on our website www.eurocol.nl.

Contains epoxy constituents. May cause an allergic reaction. Exclusively intended for professional users.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%.

The dew point temperature must be 3 °C higher than the temperature of the surface of the floor.

ENVIRONMENT AND HEALTH

Hazard Class Component A: Xi (irritant), N (dangerous for the environment). Component B: C (corrosive), N (dangerous for the environment).

023 EUROBLOCK FAST

ITEM DATA

Article	Definition	Packaging	EAN-code
023	Euroblock Fast	5 kg combi pack	8 710345 002318

023 EUROBLOCK FAST

eurocol 026

the strong connection



EUROBLOCK MULTI

Universal moisture barrier for sealing out residual moisture and rising damp in sand-cement floors (first allow monolith floors to be exposed to light). When applied in 2 layers, suitable under, for example, linoleum. When applied in 3 layers, suitable under vapour-tight floor coverings such as PVC and rubber. The first layer should be applied diluted 1:1 with water. The residual moisture percentage in the subfloor may not exceed 4.0% (CM) during installation. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Polyvinylidene chloride.
Color	Blue.
Consistency	Thin liquid.

- Suitable for underfloor heating
- Easy application
- Favourable spreading capacity
- Non-flammable
- Fast drying
- Very low-emission installation material certified according to EMICODE EC1 Plus.
- Declared by baubook, "ecological building product".

PROPERTIES

Consumption	First coat when diluted 1:1 with water approx. 50 g/m ² . Second and third coat undiluted approx. 50 - 75 g/m ² per coat.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Special quality	Damp proof membrane up to 4 CM%, 95 % RF.
Specific weight	1.24 kg/l.

APPLICATION

For suppressing residual construction moisture in sand/cement screeds, monolith and existing ceramic tile floors:

- Suitable for all kinds of floor covering when applied in two coats suitable for such as linoleum.
- Suitable for impervious floor covering when applied in three coats.

PROCESSING

026 EUROBLOCK MULTI

Storage	Cool and dry, well sealed at normal temperature (5° - 30 °C).
Tools	Lambswool roller or brush.
Curing	24 hours.*
Drying	First coat 20 minutes.* Second and third coat 60 minutes.*
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of other laying materials and floorings must be observed!</p> <p>Not applicable under parquet installations with 1K SMP adhesives.</p> <p>Eurocol 026 Euroblock Multi is not a building sealant according to DIN 18195. Ensure sufficient rear ventilation behind cupboards and skirting boards in the closed off floor construction! Not to be used for damp-proofing on composite cement screeds, on concrete, on moisture-sensitive substrates such as calcium sulphate bonded screeds, magnesia screeds, stone wood screeds, on ceramic tiles, stone floors, terrazzo, mastic asphalt screeds.</p> <p>EMICODE, further information at www.emicode.com.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 026 Euroblock Multi is suitable for sand/cement screeds, which have a good tensile and compression strength and are free from cracks. The subfloor should also be clean, dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- If necessary, sand the surface clean and vacuum it dust-free using an industrial vacuum cleaner
- Completely remove any floor covering adhesive residue or other contamination, so that a clean subfloor is created
- Sand monolith floors in advance and remove dust using an industrial vacuum cleaner. Then prime the floor with 044 Europrimer Multi using a foam roller and allow to dry sufficiently. If a paraffin-containing curing compound has been used, the monolith floor must be blasted beforehand.
- Degrease ceramic floor tiles in advance with 014 Euroclean and allow to dry thoroughly. Then prime the floor with a thin opaque layer with 044 Europrimer Multi using a foam roller. In the case of deepened joints, apply the 044 Europrimer Multi using a fleece roller and then roll with a foam roller so that a thin covering layer is created on the ceramic tiles and allow it to dry sufficiently.
- The 026 Euroblock Multi moisture barrier can then be applied in one or two undiluted layers.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Note:

- The moisture content of the base must not exceed more than 90% RH.
- Do not use 026 Euroblock Multi when the construction of the subfloor is exposed to permanent groundwater pressure.

Instruction manual:

- Apply a first coat 026 Euroblock Multi diluted (1:1 with water) evenly with a lambswool roller and/or brush on the subfloor. This first layer is not required for ceramic tile floors and monolith floors that have been pre-primed with 044 Europrimer Multi.
- When installing linoleum apply after a drying of the first coat (approx. 20 minutes, depending on temperature, relative humidity and type subfloor) a second undiluted coat 026 Euroblock Multi at right angles to the first (when installing linoleum).
- When installing an impervious floor covering apply a third undiluted coat 026 Euroblock Multi, again at right angles to the previous coat.
- Drying time between the second and third coat is approx. 60 minutes (depending on temperature and relative humidity).
- Before applying a levelling compound the last coat 026 Euroblock Multi has to dry for at least 12 hours. Apply a levelling compound in a minimum layer thickness of 2 mm.
- Remove any fresh spots immediately with water.
- Avoid contact with eyes and skin and use suitable protective equipment (see our safety data sheet).
- Dispose of product residues and cleaning water in accordance with local environmental regulations and do not dispose of them in the sewer.
- For detailed safety and environmental information, we refer to the safety information sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 18° - 23 °C.

Material and subfloor temperature : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%.

Further information:

- Keep out of reach of children.
- Ventilate the room thoroughly during and after the processing and drying process.
- Do not eat, drink or smoke while processing this product.
- Avoid contact with eyes and skin and use suitable protective equipment.
- In the event of contact with eyes or skin, flush with plenty of water immediately.
- Dispose of product residues and cleaning water in accordance with local environmental regulations and do not dispose of them in

026 EUROBLOCK MULTI

- the sewer.
- Only return packaging for recycling after removing any residues. Dried material residues can be disposed of in household waste.
- For detailed information about safety measures, please refer to the safety data sheet on our website eurocol.nl.
- The product contains: no additional data applicable.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For detailed safety and environmental information, please refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
026	Euroblock Multi	12 kg jerry can	8 710345 486026

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BG134503, Version 09, Stand 2023-06-20, ersetzt Ausgabe vom 2022-11-25

026 EUROBLOCK MULTI

eurocol 028

the strong connection



EUROBLOCK RAPID

2-Componenten epoxy primer - DPM. Damp proofing without moisture limit. Water-free. Very low emissions. Fast setting.

PRODUCT TYPING

Base	Component A: epoxy resin. Component B: amines
Color	Component A: transparent. Component B: bluish
Consistency	Liquid.

- Fast setting (approx 5 hrs.) 2-component epoxy resin for blocking non-pressing residual moisture in cement screed and concrete.
- For strengthening surface edge zones. Suitable as bonding layer on mastic asphalt, ceramic tiles, wood-based panels or as a moisture protecting layer of moisture sensitive subfloors.
- To cover fixed, water-soluble adhesive residues, for the production of epoxy mortars in combination with Eurocol 846 Europlan Sand/847 Europlan Sand fine.
- For blocking non-residual moisture in unheated cement screeds without limiting residual moisture.
- For indoor use only.
- Very low emission certified EMICODE EC 1 Plus.

PROPERTIES

Consumption	depending on the absorbency and surface structure, approximately 300-500g/m ² per coat.
Flammability	Non-flammable.
Frost resistance	Yes.
Special quality	Damp proof membrane without limit. Fast setting.
Specific weight	1.1 kg/l (mixture).

APPLICATION

- for blocking non-pressing residual moisture in cement screed and concrete without limitation of residual moisture,
- for strengthening surface edge zones.
- Suitable as bonding layer on mastic asphalt, ceramic tiles, wood-based panels,
- suitable as a moisture protecting layer of moisture sensitive subfloors, to cover fixed, water-soluble adhesive residues,
- for the production of epoxy mortars.

PROCESSING

Storage	Store cool and free from frost.
Tools	Lambswool roller.
Mixing ratio	1,8 : 1 (l) volume, 3,3 : 1.7 (kg) weight
Curing	Per coating at 20 °C after it can withstand foot traffic for further processing after 5 hours.*

028 EUROBLOCK RAPID

Processing time	Use within 30 minutes after mixing.*
Waiting time	5-15 hours.
Drying	At 20 °C, 5 hours per coat.*
Shelf Life	Approx 24 Months, in unopened packaging. Do not mix partial portions.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.
Application temperature	3 degrees above the dew point temperature.
Remarks	Technical information and safety data sheets of any laying materials and floorings/parquet used must be followed and the processing conditions must be observed! No building barrier measures according to DIN 18195, therefore not applicable in case of pressing, constantly rising humidity and with vapour diffusion. EMICODE, for further information see www.emicode.com .

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- The substrate must be pressure- and tension-resistant, free of cracks and dust, even and free of layers that reduce adhesion. Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be thoroughly cleaned and sanded matt after drying.
- Smoothed concrete floors, cement screeds and vacuum concrete are to be shot-blasted.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Europlan 913 Silicate sealing compound.
- In case of defects, objections are to be reported in writing.

Instruction manual:

Before use, temper the product according to the processing conditions.

- Add comp. B to comp. A, therefore cut through the synthetic cap and bottom of component B with a screwdriver. Thereafter unlock the packaging, in this way the hardener will easily penetrate into the resin.
- The hardener component must be completely emptied into the resin component and mixed homogeneously with a suitable stirrer for approx. 5 minutes, also in the wall and bottom areas of the containers. Immediately decant into a clean container and mix again.
- Apply the mixture immediately with a lambswool roller. Avoid puddles.
- On strong porous subfloors as well as application as a DPM apply after 5 - 15 hours a second coat.
- To avoid adhesion problems of levelling compounds sprinkle the last coat always with 846 Quartsand. As a DPM sprinkle the second coat.
- After setting the primer remove excess 846 Quartsand with a broom or industrial vacuum cleaner.
- Lower temperatures < 10 °C will increase the finale bond strength significantly.

Use as reaction mortar:

By adding Eurocol 846 Europlan Sand and/or 847 Europlan Sand fine (depending on the desired layer thickness and viscosity), the product can be used to produce a reaction mortar as a levelling mortar to stable filling mortar (mixing ratio mass% 1 : 0.8 to 1 : 9 - resin : sand). The freshly applied reaction mortar must be sanded in the same way as a primer.

It is advantageous if the produced mortar is applied to the freshly applied primer, wet-in-wet. The flanks of adjacent screeds should also be primed.

Working conditions:

Required surrounding temperature : min. 18°C.
Temperature for material and subfloor : min. 15°.
Relative humidity : 35 -75%.

Pay attention to BG Chemical information leaflet M023 "working with Polyester and epoxy resins", DGUV Information 201-062 "EP resins in the construction industry" and BGR227 work with epoxy resins.

When using as a moisture barrier, make sure there is enough ventilation at skirting and behind cupboards.

Only mix complete bucket contents!

QUALITY AND GUARANTEE



028 EUROBLOCK RAPID

ENVIRONMENT AND HEALTH

GISCODE	RE30
LEED	VOC 0,31 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0,03 %, quality level: 4
Hazard Class	Product contains hazardous ingredients in the resin and hardener. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.eurocol.nl .
Substances causing allergy	Contains epoxy constituents. May produce an allergic reaction.

ITEM DATA

Article	productname	packaging	shipping unit
028	Euroblock Rapid	tin combi pack à 5 kg	60/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG145828, Version 08, Stand 2021-12-02, ersetzt Ausgabe vom 2020-03-10

028 EUROBLOCK RAPID

eurocol

042

the strong connection

EUROBLOCK TURBO

One-component damp proof - DPM - and surface reinforcement coating. Fast damp proofing up to 5 CM %, 98% RF. One component. PU-based.

PRODUCT TYPING

Base	PU-pre polymer
Color	Brown.
Consistency	Liquid.

- Ready to use, one-component, fast drying, damp proof coating to block residual moisture of absorbent, cement-based subfloors (screed) up to 5 CM %, 98% RF.
- Very good penetrating properties.
- Ideal to reinforce surfaces of absorbent cement- and calcium sulphate- (gypsum) based subfloors, before levelling or adhesion works.
- For subsequent levelling works quartz sand blinding with 846 Europlan Sand is needed of still wet coat.
- Direct installation of multilayer parquet is possible with approved Eurocol parquet adhesive. Suitable for underfloor heating systems.
- For indoor use only.
- Very low VOC emission. Solvent-free. EMICODE EC 1 Plus.
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Consumption	100 – 150 g/m ² , for absorbant floors
Flammability	Non-flammable.
Frost resistance	No.
Special quality	Damp proof membrane up to 5 CM%, 98 % RF..

APPLICATION

- for blocking non-pressing residual moisture in cement screeds up to 5 CM %, 98% KRL (TKB),
- for the consolidation of surface edge zones of mineral substrates.

PROCESSING

Storage	Store cool and free from frost.
Tools	Foam roller or lambswool roller.
Waiting time	2-24 hours.
Drying	Approx 120 - 240 minutes (sticky free surface). *

042 EUROBLOCK TURBO

Shelf Life	Approx 9 Months, in unopened packaging. After use close the open packaging well.
Cleaner	Spirit.
Remarks	<p>Relevant norms and regulations of the branch are to be respected. Outside Germany relevant national regulations are to be applied which must be known by the user.</p> <p>Foam building is to be removed by sanding; the area is to be recoated especially when being used as a DPM.</p> <p>When using as a moisture barrier, make sure there is enough ventilation at skirting and behind cupboards.</p> <p>Please pay attention to the technical information of the other relevant products and auxiliary material.</p> <p>No building sanction according to DIN 18195.</p> <p>Do not use on concrete and dense substrate.</p> <p>EMICODE, more informations under www.eurocol.com.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Sealing Compounds Europlan 913 Silicate.
- On highly structured substrates (milled floors), the primer may run together in the milled traces, which may be associated with material-specific foaming. For these substrates, alternatively use a Eurocol 2-K EP primer approved for this purpose.
- In case of defects, concerns must be reported in writing.

Instruction manual:

Before use, temper the product according to the processing conditions.

- Roll out the primer onto the prepared substrate thinly and evenly, avoid puddle formation at all costs, as in thicker layers the hardening is delayed (skin formation) and this can lead to incorrect adhesion, imperfections in the waterproofing.
- When working with a rubber slider, roll immediately with a short pile lambskin roller (e.g. 4 mm Floor - Oil-Wax Roller) to level and uniform the material application.
- Intermediate drying times are approx. 120 - 240 minutes depending on the room climate. Low air humidity delays the drying of the primer.
- Before further processing, the surface must be tack-free.
If the surface is tack-free or within to 24 hours, it can be bonded directly with Eurocol 1-component and 2-component adhesives.
- To barrier off residual moisture on cement based substrates, apply a second coat within 24 hours in the same way, thinly and evenly, in cross-coats and also allow to set tack-free until the next processing step.
- For subsequent levelling work up to 5 mm thick, apply an intermediate coat of 070 Europrimer Fill as an adhesion promoter within 24 hours.
In case of heavy use of the surface (rolling) and / or high layer thickness of the levelling compound (>5 mm), sprinkle the last layer of the primer with 846 Europlan Sand in excess (1.5-2.5 kg/m²).

Working conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	RU1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Product contains hazardous ingredients. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste. From 24.8.2023, training is mandatory for handling preparations

042 EUROBLOCK TURBO

containing isocyanates. <https://isopa-aisbl.idloom.events/049-de>

MSDSFor extensive information about safety and environment we refer to our website www.forbo-eurocol.de.

SubstancesContains isocyanates. May produce an allergic reaction.

causing allergy

ITEM DATA

Article	productname	packaging	shipping unit
042	Euroblock Turbo	PE jerry can à 11 kg	80/pallet

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BG146501, Version 13, Stand 2023-06-20, ersetzt Ausgabe vom 2022-05-06

042 EUROBLOCK TURBO

LEVELLING COMPOUND AND **REPAIR MORTARS**

eurocol 900

the strong connection



EUROPLAN DSP

Flexible ready-to-use levelling compound for levelling old vinyl or rubber floor coverings, old adhesive residues and height differences between sheet materials. Also suitable for sealing seams between sheet materials. The maximum layer thickness in one operation is 2 mm. Suitable for indoor use.

PRODUCT TYPING

Base	Styrene-butadiene dispersion.
Color	Off-white.

- Ready-to-use, quick-drying, flexible dispersion filler.
- For thin levelling on deformable substrates, for point-elastic sports floors, sprung floors, wood-based panels and insulating mats.
- Suitable as a migration inhibitor when laying floor coverings on insulating mats, on thoroughly cleaned, fixed old floor coverings (PVC, CV, elastomer).
- For closing incompletely glued joints and screw holes in wood-based panels V100/OSB).
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- For indoor use.

PROPERTIES

Consumption	approx 300 - 1200 g/m ² depending on the application.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Passableness	Approx 2 - 3 hours.*
Special quality	Flexible, especially for flexible substrates.
Specific weight	1.65 kg/l.

APPLICATION

For levelling in layers up to maximum 2 mm of:

- old vinyl floors.
- old adhesive residues.
- differences in height between board materials.
- old rubber floor covering, which is to be covered with a new floor covering.

PROCESSING

Layer thickness	Maximum 2 mm.
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900 EUROPLAN DSP

Storage	Store cool and free from frost (5°- 30 °C).
Tools	Large-notched adhesive spreader and trowel.
Drying	Approx 24 hours.*
Shelf Life	Approx 12 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Only lay floor coverings on insulation underlays that are recommended by the manufacturer as suitable for this purpose.</p> <p>Please note that the indentation behaviour of floor coverings on insulating underlays is altered.</p> <p>When welding, observe the changed setting of the adhesives on the non-absorbent filler and extend the drying time accordingly to 2 - 3 days.</p> <p>Do not use on old textile or needle fleece floor coverings.</p> <p>It is not possible to install parquet on Eurocol 900 Europlan DSP.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 900 Europlan DSP can be applied on old vinyl or rubber floor covering, which are degreased and checked on a good bonding to the subfloor.
- Overtooth on wood-based materials must be adjusted in advance by sanding.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

Before use, temper the product according to the processing conditions.

Stir well and thoroughly before use.

- First degrease old vinyl or rubber floor covering thoroughly and check on a good bonding to the subfloor.
- Remove old adhesive residues as much as possible.
- First apply 900 Europlan DSP with a large-notched adhesive spreader, thereafter smooth the adhesive strips with a trowel.
- When installing a floor covering on top of the 900 Europlan DSP, "NEVER" use solvent-based adhesives.
- Vinyl : 540 Eurosafe Special + 640 Eurostar Special + 622 Eurostar Star Tack.
- Linoleum : 514 Eurosafe Lino + 611 Eurostar Lino Plus.
- Carpet : 509 Eurosafe Tex + 609 Eurostar Tex.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%.

ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Definition	Packaging	EAN-code	Shipping unit
900	Europlan DSP	14 kg bucket	4 026956 130888	44/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of

900 EUROPLAN DSP

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BG139010, Version V06, Stand 2022-01-05, ersetzt Version vom 2020-09-08

900 EUROPLAN DSP

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Eurocol is part of the Forbo Group



eurocol 910

the strong connection



EUROPLAN PU DUO

Two-component PU-based levelling compound, self-levelling top- and underlay coat, highly durable, for indoor and dry outdoor application.

PRODUCT TYPING

Base	PUR polymer wit isocyanat hardener.
Color	Gray.
Consistency	Thick liquid.

- Two-component, self-levelling, elasticized, heavy-duty special PUR floor levelling and repair compound for renovation and new construction.
- Ideal for the renovation of old substrates (old, even elastic adhesive residues, blocking odours from the substrate).
- Migration barrier on rubber granulate or cork-rubber insulation underlays.
- Suitable as subfloor for laying elastic floor coverings and parquet after dull sanding with Eurocol adhesives approved for this purpose.
- Can be used as a filling adhesive primer on mastic asphalt, metals.
- As a highly durable 2-component PUR coating for industrial and sports facility construction.
- Suitable
 - for filling cable ducts,
 - for filler work, also in the bathroom area (permanently dry substrate),
 - for permanently elastic subfloors in sports hall construction,
 - for putty work on glued elastomer/cork underlays,
 - can be used for crack repair on mastic asphalt,
 - for filling on fixed (also nubbed) elastomeric floorings (renovation).
- The floor levelling compound is suitable for forklift loading.
- Excellent adhesion on smooth surfaces, e.g. terrazzo, degreased metals, mastic asphalt.
- No crack formation.
- For interior and exterior use (permanently dry areas).
- Very low emission. EMICODE EC 1 Plus.

PROPERTIES

Consumption	approx. 1300 g/m ² /mm, depending on the substrate.
Flammability	Non-flammable.
Frost resistance	Yes.
Passableness	Approx 6 – 8 hrs.
Special quality	Highly durable special PU -filling and repairing compound.
Specific weight	1.45 kg/l (mixture)

APPLICATION

As levelling and repair compound.

910 EUROPLAN PU DUO

PROCESSING

Storage	Store cool and dry in unopened packaging between +5 °C and + 30 °C.
Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
Mixing ratio	100 parts by weight of component A 18 parts by weight of component B.
Curing	Approx 6 – 8 hrs.
Processing time	Use within 40 minutes after mixing.*
Shelf Life	Approx 18 months, in unopened packaging. Do not mix partial portions.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.
Remarks	<p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Tools and equipment must be cleaned with the designated cleaner before the product hardens. It is also advisable to wear suitable gloves when working with the levelling compound, as the reaction components penetrate deep into the skin pores and are difficult to remove.</p> <p>Do not mix with other products, except for those that are expressly intended for this purpose.</p> <p>Recommended primers: Eurocol 042 Euroblock Turbo can be used without sanding Eurocol 021 Euroblock Reno LE, applicable with sanding Eurocol 028 Euroblock Rapid can be used with sanding Eurocol 015 Euroblock MS can be used with sanding</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be permanently dry, resistant to pressure and tension, free from cracks and dust, even and free from layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, are to be professionally cleaned with Eurocol 891 Euroclean Basic and sanded matt after drying.
- A primer coat of Eurocol adapted to the substrate is to be pre-coated. Allow the applied primer to dry thoroughly.
- Mastic asphalt, degreased metal surfaces, wood-based panels, old parquet/ planks without impurities can be levelled directly.
- Cracks or joints (except structural expansion joints) must be closed with Eurocol Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- In the event of defects, objections must be reported in writing.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Empty the hardener component completely into the resin component and mix homogeneously with a suitable stirrer for approx. 5 minutes, also in the wall and bottom areas of the containers. Immediately decant into a clean container and mix again.
- The levelling compound is applied with a spatula, trowel or trowel. A smooth, even surface is achieved by using a squeegee of a spiked de-aeration roller.
- If a 2nd application is necessary, it can be applied after the first layer has hardened. In order to avoid adhesion problems, the first application layer, which has set tack-free, should be sanded matt.
- To fill deeper channels or slots, the compound can be extended with dry quartz sand Europlan Sand 846 or 847. The mixing ratio can be adjusted up to a putty-like consistency. However, the self-levelling properties are strongly limited by this.
- Similarly, mastic asphalt can be used to close cracks. Standard reinforcing clamps should be used and applied professionally. It is advantageous if the prepared mortar is applied to the freshly applied primer, consisting of 910 Europlan PU Duo, wet - in - wet. The flanks of adjoining screeds should also be primed.
- Before laying a covering, the filled surface must be sanded with grid grain 100 and then vacuumed.
During the subsequent laying of floor coverings, care must be taken to ensure that there is no absorbent subfloor. This must be taken into account when selecting the adhesives and fixings to be used, especially with regard to their flash-off time. Please consult our application technology for this. Depending on the type of flooring, suitable Eurocol reaction adhesives are preferred.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

The application must be carried out at a constant or falling temperature to prevent bubbles from forming due to warming air and its expansion in the substrate.

The surface must be protected from direct contact with water during the entire hardening phase.

Do not mix partial quantities!

910 EUROPLAN PU DUO

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	RU1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Hardener: Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste. From 24.8.2023, training is mandatory for handling preparations containing isocyanates. https://isopa-aisbl.idloom.events/049-de
MSDS	For extensive information about safety and environment we refer to our website www.forbo-eurocol.de .
Substances causing allergy	Hardener: contains isocyanate. May cause allergic reactions.

ITEM DATA

Article	Productname	Packaging	Shipping unit
910	Europlan PU	PE combi pack à 9,72 kg	52/pallet

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BG146006, Version V12, Stand 2021-04-08, ersetzt Version vom 2019-07-09.

910 EUROPLAN PU DUO

eurocol 913

the strong connection



EUROPLAN SILICAT

Two-component filling compound, crack repair and hardens quickly.

PRODUCT TYPING

Base	Modified water-glass / Isozynate
Color	Component A: transparent, component B: brown.
Consistency	Liquid.

- Two-component, silicat-based adhesive.
- Ideal for filling cracks and holes in mineral screed.
- Shipping unit contains 2 bags with 20 wave connectors each.
- Suitable on underfloor heating systems.
- For inside use.
- Very low VOC emission according to EMICODE EC 1 Plus.
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Flammability	Non-flammable.
Frost resistance	No.
Special quality	Very fast and tough-elastichardening materials. Shipping unit contains 2 bags with 20 wave connectors each.
Specific weight	1.28 kg/l (mixture)

APPLICATION

For closing cracks and joints in mineralic screeds.

PROCESSING

Storage	Store cool and dry in unopened packaging between +5 °C and + 30 °C.
Tools	Mixture is processed directly from the bottle.
Mixing ratio	1 : 1
Curing	Approx 20 - 30 minutes.
Processing time	Use within 8 minutes after mixing. *
Shelf Life	Approx 12 months, in unopened packaging. Do not mix partial portions.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.
Remarks	Technical information and safety data sheets of other installation materials used must be observed!

913 EUROPLAN SILICAT

It must be ensured that the temperature of the substrate is 3 °C above the dew point temperature. The surface must be protected from direct contact with water during the entire setting phase. Building expansion joints must not be closed.

EMICODE, further information at www.emicode.com

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Substrate:

- Screed flanks must be solid and load-bearing.
- If necessary, widen cracks with a cutting disk, place cross sections approximately every 20 - 30 cm and vacuum them with a powerful industrial vacuum cleaner, insert wave connectors into the cross sections.
- In the event of defects, concerns must be reported in writing.

Instruction manual:

Before use, temper the product according to the processing conditions.

- Mix the resin with the hardener homogeneously. To do this, decant the entire contents of the hardener bottle into the resin, close the bottle and shake vigorously for approx. 15 seconds, do not stir!
- Cut off the tip of the bottle spout to match the width of the crack.
- Immediately pour the finished compound into the sucked out cracks or joints and smooth them with a spatula.
- Immediately after mixing, the material is thin-bodied and therefore ideally suited for narrow joints/cracks. After about 4 minutes (20°C) the material starts to become more viscous. In this paste-like form it is ideal for wider joints/cracks.
- In order to ensure subsequent adhesion of Eurocol levelling compounds or Eurocol adhesives, the repair resin must be sanded with dry Eurocol 846 quartz sand 0.4 - 1 mm when uncured.

Do not use after the end of the pot life (thickening of the product).

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	RU1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste. From 24.8.2023, training is mandatory for handling preparations containing isocyanates. https://isopa-aisbl.idloom.events/049-de
MSDS	Available on request.
Substances causing allergy	Hardener: contains isocyanate. May cause allergic reactions.

ITEM DATA

Article	Productname	Packaging	Shipping unit
913	Europlan Silicat	A + B component PE bottle à 0,3 l	per 5 bottles A + B/box 45/pallet 2 bags each 20 wave connectors

913 EUROPLAN SILICAT

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BG171405, Version V06, Stand 2023-10-09, ersetzt Version vom 2019-01-11.

913 EUROPLAN SILICAT

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Eurocol is part of the Forbo Group



eurocol

916

the strong connection



EUROPLAN SAFE

Self-smoothing levelling compound, cement based, for stony subfloors, up to 20 mm.

PRODUCT TYPING

Base	Cement-based powder with additives.
Color	Grey.
Consistency	Powder.

- Self-levelling, low-stress setting, cement-bound levelling compound.
- For medium loads.
- For levelling mineral substrates, ceramic tiles, natural stone coverings, terrazzo and mastic asphalt.
- Can be used in layer thicknesses from 2 up to 20 mm, on mastic asphalt up to 3 mm.
- For subsequent floor covering work.
- Squeegeeable.
- The product can be used on underfloor heating and is suitable for use with chair castors in accordance with DIN EN 12529.
- For indoor use.
- Very low emission installation material, certified according to EMICODE EC 1 Plus

PROPERTIES

Bureau Wheelchair resistance	From 2 mm layer thickness.
Classification	CE: DIN EN 13813: CT-C20-F7.
Consumption	Approx. 1.5 kg/m ² per mm layer thickness.
Flammability	Non-flammable.
Frost resistance	Yes.
Passableness	Approx 3 - 5 hours at (18 - 20) °C.*
Special quality	For use in residential and public areas. For floor coverings.

APPLICATION

For levelling cement-based and other stony subfloors in layers up to maximum 20 mm, which are to be covered with a floor covering.

PROCESSING

Layer thickness	Maximum 7 mm.
Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller.
Mixing ratio	Add 25 kg to 5,25 - 5,5 litres of water.

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Processing time	Use within 30 minutes after mixing.*
Waiting time	Approx 3 minutes. Then stir again.
Drying	Approx. 48 hrs. by 3 mm layer thickness, for each additional 3 mm - another day of drying time is required.
Shelf Life	Approx 12 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none"> • Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost. • To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>Not suitable on floating dry screed elements or floating wood-based panels. The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>EMICODE, for more information visit www.emicode.com. Not suitable for laying parquet.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be permanently dry, resistant to pressure and tension, free from cracks and dust, even and free from layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, are to be professionally cleaned with Eurocol 891 Euroclean Basic and sanded matt after drying.
- A primer coat of Eurocol adapted to the substrate and the expected layer thickness of the leveling compound is to be pre-coated. Allow the applied primer to dry thoroughly.
- Cracks or joints (except structural expansion joints) must be closed with Eurocol Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Level out coarse unevenness in advance with stable filling compound. After complete drying, the surface must be primed again.
- In the event of defects, objections must be reported in writing.

Instruction manual:

- Mix the powder in the specified quantity (see technical data) with clean, cold water using an electric mixer to form a smooth, lump-free mass.
- It is recommended to keep a maturing time of 2 - 3 minutes.
- Avoid overwatering, as this leads to sedimentation and the formation of unstable surface layers. Drying is also delayed.

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- Apply the ready-mix within the working time in one working step if possible until the desired layer thickness is achieved. By using a squeegee and a spiked de-aeration roller, a smooth, even surface is obtained which usually does not need to be sanded.
- During the setting of the levelling compound, draughts and intensive sunlight must be avoided. This can lead to a too fast withdrawal of moisture, which "burns" the filler layer, pulverizes the surface edge zone and shrinkage cracks can occur.
- When laying on underfloor heating, the heating must be kept in operation for 3 days before, during and up to 7 days after laying with a surface temperature of 18 - 22°C.
- In the case of multi-layer levelling, apply an intermediate coat of completely set first levelling compound before applying the second, alternatively use a levelling compound suitable for the required thickness of the layer to be applied, in order to level in one operation.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	ZP1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .

ITEM DATA

Article	Definition	Packaging	Shipping unit
916	Europlan Safe	paper bag à 25 kg	42/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150916, Version 10, Stand 2023-12-15, ersetzt Ausgabe vom 2023-07-07

916 EUROPLAN SAFE

eurocol 920

the strong connection



EUROPLAN ALPHY

Low-tension, setting and self-levelling anhydrite levelling compound. Especially suitable for use on anhydrite cast floors but also applicable on completely dry, stony subfloors (renovation projects), cast asphalt (for cast asphalt, maintain a max. 5 mm layer thickness). Suitable for use under parquet floors. This levelling compound is pumpable. Layer thickness from 2 mm to a maximum of 30 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Anhydrite-Alpha-halfhydrate.
Color	White.
Consistency	Powder.

- Very low emission
- Emicode EC 1 PLUS
- Less dust
- Favourable spreading capacity
- Casein-free
- Self-smoothing
- Tension-free
- Chrome-free
- Excellent flow
- Pumpable
- Maximum layer thickness of 30 mm*

PROPERTIES

Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 9 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 35 \text{ N/mm}^2$.
Consumption	Approx. 1.5 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	After 2 - 3 hours at $18^\circ\text{--}20^\circ \text{ C.}^*$

APPLICATION

For levelling stony subfloors in layer thickness between 2 and 30 mm, especially anhydrite floors, which are to be covered with a floor covering or parquet. At a layer thickness $> 10 \text{ mm}$ add approx. 7 kg of 846 Quarzsand to 23 kg of 920 Europlan Alphy.

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If applying by pump:

Consult pump supplier, ensure the pump is suitable for all types of levelling compounds. Pumping with a too high mixing rate can cause an insufficient flow of the levelling compound.

PROCESSING

Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
Mixing ratio	Add 23 kg of 920 Europlan Alphy to 5,5 - 6 litres of water. Add 25 kg of 920 Europlan Alphy to 6 litres of water.
Processing time	Use within 30 minutes after mixing.*
Waiting time	3 to 5 minutes.
Drying	24 hours.*
Shelf Life	12 months, in unopened packaging.
Remarks	<p>For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>Not suitable for solid planks <22 mm and vertical lamella <16 mm thick.</p> <p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm. When used under parquet, a minimum layer thickness of 3 mm must be observed.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none">• Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost.• To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>EMICODE, for more information visit www.emicode.com. For levelling work in connection with subsequent parquet adhesives using Eurocol 1K or 2K parquet adhesives, only use Eurocol 048 Europrimer Plus or reactive Eurocol primers.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 920 Europlan Alphy can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength.
- The subfloor should also be clean, permanently dry and free from grease and dirt according to the requirements of BS 8203 or DIN 18 365/DIN 18356.
- Sandpaper, if necessary, anhydrite subfloor and make free from dust (by using an industrial vacuum cleaner).
- Decrease smooth and impervious subfloors (tile floors, granito, terrazzo etc.) with 014 Euroclean and dry well afterwards. After

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that prime thin and covered with 044 Europrimer Multi with a foam roller. Old (water-resistant) adhesive also needs to be primed in this way.

- Prime porous subfloors e.g. anhydrite with 043 Europrimer Alphy, 044 Europrimer Multi/044-1 Europrimer Multi Plus or 099 Disperion Primer with a foam roller.
- In case of asphalt floors and bituminous substrates remove dirt and loose parts. After that prime with 044 Europrimer Multi.
- Fill cracks and deep damages with 944 Europlan Alphy Quick. After hardening wait for at least 24 hours. Prime the repaired places with 043 Europrimer Alphy or 044 Europrimer Multi and dry well before levelling the floor.
- Fix cracks/seams in subfloors with 021 Euroblock Reno LE in combination with 063 Eurotape and 846 Quartsand or with 808 Eurojoint Connector in combination with 021 Euroblock Reno LE. Alternatively with Europlan 913 Silicate sealing compound.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- When mixing 920 Europlan Alphy ensure that tools are always clean and free from cement residues.
- In case of preparation by hand add 23 kg of 920 Europlan Alphy to 5.5 - 6 litres of cool and clean tap water. Follow the exact water ratio.
- Stir the mortar, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Wait for approx. 5 minutes and stir the mortar once again, with a low rpm.
- Apply the mortar within 30 minutes on the floor with a trowel or notched squeegee in a minimum layer thickness of 2 mm.
- When pumping adjust the mixing-device in such way that per 23 kg of 920 Europlan Alphy 5.5 - 6 litres of cool and clean tap water will be added.
- Protect fresh levelling compound layers against draft and direct sunlight.
- It is not recommended to sandpaper or prime the dried levelling compound layer.
- When it is recommended to sandpaper the applied levelling compound layer make the floor dust-free with an industrial vacuum cleaner. When necessary prime the subfloor with a suitable primer (for example 049 Europrimer ABS or 099 Disperionprimer) with a foam roller (Eurocol no. 856/857). Drying time approx. 1 hour.
- Under normal circumstances the applied layer is passable after 2-3 hours. In a layer thickness of 5 mm the levelling compound is ready for further use after 24 hours.
- In case of thicker layers measure the residual moisture percentage by using a hydrometer (residual moisture with hydrometer measurement < 1.0% or residual moisture percentage 0.3-0.5%, depending on type of floor covering).
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 18° - 23 °C.

Temperature subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%

Underfloor heating systems:

920 Europlan Alphy can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after application, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class None.

MSDS For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code
920	Europlan Alphy	23 kg bag	8 710345 920308

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conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG171345, V15, Stand 2021-12-07, ersetzt Ausgabe vom 2021-08-18

920 EUROPLAN ALPHY

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Eurocol is part of the Forbo Group



eurocol 923

the strong connection



EUROPLAN EXTREME

Cement-based, fast-drying, dust-free, moisture- and frost-resistant floor levelling compound and casting mortar for stony substrates. Suitable for use in wet areas, swimming pools and in various outdoor applications such as balconies and terraces. Also suitable for casting drainage drains, drain holes, pipe slots and in combination with (electric) underfloor heating. Good flowability. Favorable consumption. High compressive strength. Pumpable. Layer thickness: from 2 mm to a maximum of 20 mm. Suitable for indoor and outdoor use.

PRODUCT TYPING

Base	Cement-based powder with additives and a high synthetic binder content.
Color	Grey.
Consistency	Powder.

- Moisture- and frost-resistant
- Dust reduced
- Excellent flow
- Fast setting
- Pumpable
- High compression strength
- For in- and outdoor use.

PROPERTIES

Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 9 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 32 \text{ N/mm}^2$.
Consumption	Approx. 1.5 kg/m^2 per mm layer thickness.
Dust factor	$< 5\%$ components with a particle of $< 2 \mu\text{m}$ (micrometer)
Flammability	Non-flammable.
Frost resistance	Yes.
Sensitive to frost	No.
Passableness	After approx 3 hours at $18 - 20^\circ\text{C}^*$

APPLICATION

- 923 Europlan Extreme is a moisture- and frost resistant, dust reduced, fast setting, cement-based levelling compound for stony subfloors.

923 EUROPLAN EXTREME

- Suitable for use in so called wet areas, swimming pools and outdoor use such as balconies and terraces.
- Also suitable for application on poorly or non-ventilated construction floors where rising damp is possible.
- The mortar can be applied as a levelling compound in a layer thickness of 2 till 20 mm.
- Also suitable for casting (in a layer thickness till aprox. 50 mm) of drains, pipeline trenches and in combination with (electrical) floor heating.

PROCESSING

Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
Mixing ratio	Add 23 kg of 923 Europlan Extreme to 5.5 - 6 litres of water.
Processing time	Use within 10-15 minutes after mixing.*
Waiting time	Approx 1-2 minutes.
Drying	24 hours.*
Shelf Life	9 Months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 923 Europlan Extreme can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, permanently dry, free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Prime porous cement floors with 044 Europrimer Multi, 099 Dispersion Primer or 049 Europrimer ABS.
- Decrease (in indoor use) smooth and impervious subfloors (tile floors, granite, terrazzo e.g.) very well with for example 014 Euroclean, after that rinse and dry the subfloor well. Then prime these impervious subfloors thin and even with 044 Europrimer or 051 Europrimer Quartz. For outdoor use remove all old closed ceramic tilling.
- Level anhydrite floors with 924 Europlan Hybrid or 920 Europlan Alphy.
- Fix cracks/seams in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape and 846 Quartsand or 808 Eurojoint Connector in combination with 021 Euroblock Reno LE.
- In outdoor use add 250 g 811 Europlan Fibre to the levelling mortar. This is for minimization of dehydration shrinkage (cracks), caused by airflows over the floor. In this case the layer thickness should be at least 3 mm. Apply the levelling mortar with a trowel. Place 802 Eurostrip Basic or 806 Eurostrip Profile along possibly walls and columns.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add 23 kg of 923 Europlan Extreme to 5.5 - 6 litres of cool and clean tap water.
- Stir the mortar, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Wait for approx. 1 - 2 minutes and stir the mortar once again, with a low rpm. Add at this moment the 811 renofibres if necessary.
- Apply the mortar within 10 - 15 minutes on the floor with a trowel or notched squeegee.
- When pumping adjust the mixing-unit in such way that per 23 kg of 923 Europlan Extreme 5.5 - 6 litres of cool and clean tap water will be added.
- Protect fresh levelling compound layers against draft and direct sunlight.
- At a temperature of 18 - 20 °C the applied layer is passable after approx. 3 hours and suitable for finishing with ceramic tiles. When fixing natural stone wait for at least 12 hours. With a layer thickness till 5 mm the applied layer is ready to be covered with floor coverings such as artificial grass, PVC, etc after 24 hours.
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 15 - 23 °C.
 Temperature for material and subfloor : min. 10° - max. 25 °C.
 Relative humidity : 40 - 70%.

Underfloor heating systems:

923 Europlan extreme can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after application, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE

923 EUROPLAN EXTREME



ENVIRONMENT AND HEALTH

Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
923	Europlan Extreme	23 kg bag	8 710345 923101

923 EUROPLAN EXTREME

eurocol 924

the strong connection



EUROPLAN HYBRID

Self-levelling, low-tension setting levelling compound for levelling cement- and anhydrite-bound subfloors, mastic asphalt (for mastic asphalt, maintain a max. 5 mm layer thickness), magnesite, wood granite chipboard or existing tiles. Suitable for use under parquet floors, pumpable, can be finished after just 6 hours. Layer thickness: from 2 to a maximum of 10 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission), also suitable for BREEAM projects.

PRODUCT TYPING

Base	Anhydrite-Alpha-halfhydrate.
Color	Taupe.
Consistency	Powder.

- Fast-binding
- Tension-free
- Very high compressive strength
- Excellent levelling quality
- Pumpable
- Dust reduced
- Extremely low emission
- Emicode EC 1PLUS
- Adhesion possible after 6 hours
- Chromate-free
- Maximum coating thickness 10 mm*
- Deklariert bei [baubook](#), "ökologisches Bauprodukt".

PROPERTIES

Bending Strength	In accordance with NEN-EN 13892-2:2002: after 28 days $\geq 10 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Classification	CE: DIN EN 13813: CA-C50-F10.
Compressive strength	In accordance with NEN-EN 13892-2:2002: after 28 days $\geq 50 \text{ N/mm}^2$.
Consumption	Approx. 1.6 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	2 - 3 hours at $(18 - 20) ^\circ\text{C}$.*
Special quality	Quick to lay, shrink-free, dust-reduced.

APPLICATION

924 EUROPLAN HYBRID

For levelling in coatings from 2 tot 10 mm of cementitious and anhydrite-bound subfloors, mastic asphalt (**in case of mastic asphalt stick to max. thickness of coating 5 mm**), magnesite, wood granite, chipboard or existing tiling.

In case of pumping:

First consult the pump manufacturer to check if the pump can be used for all types of levelling compound. Pumping with too high a mixing speed may affect the self-levelling quality of the product.

PROCESSING

Layer thickness	Maximum 20 mm.
Storage	Store cool and dry.
Tools	Trowel or squeegee combined with a spiked roller, mixing pump unit.
Mixing ratio	23 kg 924 Europlan Hybrid to 5 litres of water. 25 kg to 5,5 litres of water.
Processing time	Use within 30 minutes after mixing.*
Waiting time	Leave to mature for 2 to 3 minutes after mixing.
Drying	6 hours.*
Shelf Life	12 months, in unopened pack.
Cleaner	Water.
Remarks	<p>For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>**) Observe the corresponding notes on dust reduction on the packaging.</p> <p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm. When used under parquet, a minimum layer thickness of 3 mm must be observed.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none">• Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost.• To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>Not suitable on floating wood-based panels. The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>For levelling work in connection with subsequent parquet adhesives using Eurocol 1K or 2K parquet adhesives, only use Eurocol 048 Europrimer Plus or reactive Eurocol primers.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

924 EUROPLAN HYBRID

Substrate:

- 924 Europlan Hybrid can be applied to any rigid, pressure-resistant and tensile stony subfloor. Furthermore, the subfloor must be clean, permanently dry, free of grease and dirt, in accordance with the requirements as laid down in DIN 18 365/DIN 18356.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures.
- Calcium sulphate-based subfloors (anhydrite) can be sanded, if necessary, and then be made dust-free using an industrial vacuum cleaner.
- A primer coat of Eurocol adapted to the substrate and the expected layer thickness of the levelling compound is to be pre-coated. Allow the applied primer to dry thoroughly.
- Prime absorbent cementitious thin and covered with 044 Europrimer Multi/044-1 Europrimer Multi Plus with a foam roller. Old (water-resistant) adhesive also needs to be primed in this way.
- Prime anhydrite subfloors with 043 Europrimer Alphy/044-1 Europrimer Multi Plus/070 Europrimer Fill. Use in all ways a fleece roller.
- Thoroughly remove any grease from smooth and sealed subfloors (tiled floors, granite, terrazzo etc.) with 014 Euroclean/891 Euroclean Basic. Remove the dirt and, after sufficient drying, apply a thin but covering coating of primer, using 044 Europrimer Multi/044-1 Europrimer Multi Plus/070 Europrimer Fill, by means of a foam roller.
- Remove dirt and loose particles from asphalt floors and bituminous surfaces. Then prime the surface using 044 Europrimer Multi/044-1 Europrimer Multi Plus/070 Europrimer Fill. With these types of subfloors use a maximum levelling thickness of 5 mm.
- First holes and damaged parts in anhydrite-based screeds must in be repaired with 944 Europlan Alphy Quick. Prime these spots with 043 Europrimer Alphy after they are fully dry. Repair holes and damaged parts in cementitious screeds with 945 Europlan Solid/940 Europlan Quick and prime with 044 Europrimer Multi/044-1 Europrimer Multi Plus/070 Europrimer Fill after curing. Allow this to dry before the floor is levelled.
- Cracks/seams in the subfloor must be fixed with 021 Euroblock Reno LE in combination with 063 Eurotape or with 808 Eurojoint Connector possibly in combination with 846 Quartsand. Alternatively with Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Always consult our technical product information sheets first. When doubt about the applications to be made, first contact our Technical Advice department.

Instruction manual:

- For the preparation of 924 Europlan Hybrid always use clean tools that are free of plaster/cement residue.
- For manual processing, add 23 kg of 924 Europlan Hybrid to 5.0 litres of cool and clean tap water. Add 25 kg of 924 Europlan Hybrid to 5.5 litres water.
- Using the Eurocol 855 Mixing rod, mix the mortar mechanically until you get a smooth and lump-free mixture.
- Leave the prepared mortar to mature for approx. ca. 2-3 minutes and then briefly mix the mortar at low speed.
- Apply the mortar to the floor within 30 minutes, using a trowel or a squeegee, in a coating of at least 2 mm thick. **Immediately after the mortar has been applied, it must be rolled using a de-aerating roller.**
- When pumping, set the mixing pump unit to add 5.0 litres of cool and clean tap water per 23 kg of 924 Europlan Hybrid. Add 25 kg of 924 Europlan Hybrid to 5.5 litres water.
- Newly applied coatings of levelling compound must be protected against drafts and heating due to direct sunlight.
- It is recommended not to sand or prime the dry levelling coating.
- If it is necessary to sand the applied levelling layer, after sanding, carefully clean the floor with an industrial vacuum cleaner. If necessary, prime the floor with suitable primer (for example 049 Europrimer ABS or 099 Dispersion primer) using a foam roller (Eurocol 856/857). Drying time approx. 1 hour.
- Under normal conditions, the applied coating of levelling compound can be walked on after 2-3 hours and adhesion is possible after 6 hours.
- For detailed information about safety measures we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 18 - 23 °C.
Temperature for material and subfloor : min. 15° - max. 20 °C.
Relative humidity : 40 - 70%.

Underfloor heating systems:

924 Europlan Hybrid can be applied to underfloor heating systems. The start-up protocol of the floor heating must have been fully implemented first, in accordance with the supplier's guidelines. Switch off the heating one day prior to levelling; switch the heating back on again at least 24 hours after levelling, in steps of 5 °C water temperature per day maximum.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE CP3 - Calcium sulphate and cementitious levelling compounds, calcium oxide content >3%.
MSDS See our website www.eurocol.nl.

924 EUROPLAN HYBRID

ITEM DATA

Article	Definition	Packaging	EAN-code	
924	Europlan Hybrid	23 kg bag	8 710345 924009	42/pallet
924	Europlan Hybrid	25 kg bag		42/pallet (Made in Germany)

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150924_Version 07_Stand 2023-07-07, ersetzt Ausgabe vom 2023-02-16

924 EUROPLAN HYBRID

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Eurocol is part of the Forbo Group



eurocol 926

the strong connection



EUROPLAN ECO HYBRID

Self-levelling, low-tension binding levelling compound for levelling cement- and anhydrite-bound subfloors, mastic asphalt (for mastic asphalt, observe a maximum 5 mm layer thickness), magnesite, wood granite chipboard or existing tiling. Suitable for application beneath parquet flooring, pumpable, ready for further finishing after 12 hours. Layer thickness: 2 mm to max. 10 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emissions), it is also suitable for BREEAM projects.

PRODUCT TYPING

Base	Alpha-calcium sulphate hemihydrate in combination with special cements.
Color	Taupe.
Consistency	Powder.

- EMICODE EC 1PLUS (very low emissions)
- Fast binding
- Low tension
- High compressive strength
- Excellent flow properties
- Pumpable
- Low dust
- Ready for further finishing after 12 hours
- layer thickness 10 mm*
- Suitable for underfloor heating

PROPERTIES

Bending Strength	According to NEN-EN 13892-2 after 28 days $\geq 9 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Classification	GEV-EMICODE EC 1PLUS (very low emissions) tested in accordance with EN 13999-2/4. Suitable for BREEAM projects.
Compressive strength	According to NEN-EN 13892-2 after 28 days $\geq 35 \text{ N/mm}^2$.
Consumption	Approx. 1.6 kg/m ² per mm layer thickness
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	2-3 hours at 18-20 °C.*

APPLICATION

For the levelling in layer thicknesses of 2 to 10 mm of cement- and anhydrite-bound subfloors, mastic asphalt (for mastic asphalt, observe

926 EUROPLAN ECO HYBRID

maximum 5 mm layer thickness), magnesite, wood granite chipboard or existing tiling.

In case of pumping:

First check with the pump supplier that the pump is suitable for all types of levelling. Pumping at too high a mixing speed can cause insufficient flow of the levelling compound.

PROCESSING

Storage	Store in a cool and dry place
Tools	Smoothing trowel or squeegee in combination with spiked roller, mixing pump unit.
Mixing ratio	23 kg 926 Europlan Hybrid Repair to 4.75 litres of water.
Processing time	Within 30 minutes of mixing.*
Waiting time	Allow to cure for 2 to 3 minutes after mixing.
Drying	12 hours.*
Shelf Life	12 months, in unopened packaging.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 926 Europlan Eco Hybrid can be applied to any rigid, compression- and tension-resistant, stone-like subfloor. The subfloor must also be clean, permanently dry and free from grease and dirt, in accordance with the requirements of DIN 18 365.
- Sand down calcium sulphate-bound subfloors (anhydrite) if necessary, then remove dust using an industrial vacuum cleaner.
- Prime absorbent cement-based subfloors with 044 Europrimer Multi. Prime anhydrite floors with 043 Europrimer Alphy. In both cases, prime with the aid of a fur roller.
- Thoroughly degrease smooth and closed subfloors (tile floors, granito, terrazzo, etc.) with 014 Euroclean. Remove the contamination and then, after sufficient drying, apply a thin but opaque layer of 044 Europrimer Multi using a foam roller. Old (waterproof) glue residues should also be primed in this way.
- Remove contamination and loose parts from asphalt floors and bituminous surfaces. Then prime the surface with 044 Europrimer Multi. Maintain a maximum levelling layer thickness of 5 mm for this type of subfloor.
- Pre-fill holes and damage in both anhydrite and sand-cement screeds with 946 Europlan Hybrid Repair. After complete drying, prime these areas with 043 Europrimer Alphy.
- In the case of a sand-cement screed where a moisture barrier needs to be applied, repair holes and damage with 945 Europlan Solid. After complete drying, the moisture barrier can be applied.
- Fix cracks and/or joints in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape or 808 Eurojoint Connector, possibly with the addition of 846 Quartsand.
- Always consult our technical product information sheets. In case of doubt about the applications to be made, contact our Technical Advice Department in advance.

Instruction manual:

- To prepare 926 Europlan Eco Hybrid, always use clean tools that are free of plaster/cement residues.
- For manual processing, add 23 kg of 926 Europlan Eco Hybrid to 4.75 litres of cool and clean tap water.
- Mix the mortar mechanically with the Eurocol 855 Mixer into a smooth and lump-free mass.
- Allow the prepared mortar to cure for approx. 2-3 minutes, then stir the mortar briefly at low speed.
- Apply the mortar to the floor within 30 minutes with a smoothing trowel or squeegee in a layer thickness of at least 2 mm. Then de-aerate the applied layer immediately with a spiked roller.
- When pumping, set the mixing pump unit so that 4.75 litres of cool and clean tap water are added per 23 kg of 926 Europlan Eco Hybrid.
- Protect the freshly applied levelling layers against drafts and heating caused by direct sunlight.
- It's recommended not to sand or prime the dry levelling layer.
- If sanding the applied levelling layer is necessary, use a sanding mesh grit 100 or finer. Make the floor thoroughly dust-free after sanding with an industrial vacuum cleaner. If necessary, prime the floor with 049 Europrimer ABS or 099 Dispersion Primer with a foam roller. Drying time approx. 1 hour.
- In normal conditions, the applied levelling layer is walkable after 2-3 hours and ready for covering after 12 hours.
- For detailed information on safety measures, refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 18 - 23 °C.
Temperature for material and subfloor : min. 15° - max. 20 °C.
Relative humidity : 40 - 70%.

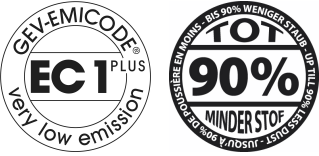
Underfloor heating:

926 Europlan Eco Hybrid can be applied to underfloor heating. The start-up protocol of the underfloor heating must be fully executed in

926 EUROPLAN ECO HYBRID

advance in accordance with the supplier's guidelines. Switch off the heating (or set it to low) one day before levelling; then switch the heating back on again at least 24 hours after levelling, in steps of a maximum of 5°C water temperature per day. Ensure that the floor temperature does not exceed 29°C.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE CP3 - Levelling compounds based on calcium sulphate and cement, calcium oxide content > 3%
MSDS For extensive safety and environmental information, we refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code	
926	Europlan Eco Hybrid	23 kg bag	8 710345 926003	42/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

926 EUROPLAN ECO HYBRID

eurocol 928

the strong connection



EUROPLAN WHITE

Gypsum-based self-levelling compound, very low-tension setting and up to 10 mm.

PRODUCT TYPING

Base	Anhydrate-Alpha-halfhydrate.
Color	White.
Consistency	Powder.

- Universal, curing with low tension, self-leveling levelling compound based on alpha hemihydrate.
- For medium stress.
- For levelling mineral subfloors, even less stable substrates, ceramic tiles, natural stone coverings, terrazzo, screwed wood-based panels (V100 P4 - P7, OSB 2 - 4) and prefabricated screeds.
- Can be used in layer thicknesses up to 10 mm.
- For following floor covering work.
- Squeegeeable.
- No ettringite formation on calcium sulphate screeds.
- Chromate-free, therefore skin-friendly.
- The product can be used on underfloor heating and is suitable for use with chair castors according to DIN EN 12529.
- For indoor use.

PROPERTIES

Bureau Wheelchair resistance	From 2 mm layer thickness.
Classification	CE: DIN EN 13813: CA-C20-F7.
Consumption	Approx. 1.4 kg/m ² per mm layer thickness.
Flammability	Non-flammable.
Frost resistance	yes.
Passableness	2 - 3 hours at (18 - 20) °C.*
Special quality	Low tension, chromate-free.

APPLICATION

For producing even and absorbent surfaces for floor covering work.

PROCESSING

Layer thickness	Maximum 10 mm.
Storage	Store cool and dry.

928 EUROPLAN WHITE

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Eurocol is part of the Forbo Group



Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
Mixing ratio	Add 25 kg of 928 Europlan white to 5,5 - 6 litres of water.
Processing time	Use within 30 minutes after mixing.*
Drying	Approx. 24 hrs. by 3 mm layer thickness, for each additional 3 mm - another day of drying time is required.
Shelf Life	Approx 12 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none"> • Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost. • To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>Not suitable for laying parquet.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be permanently dry, resistant to pressure and tension, free from cracks and dust, even and free from layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, are to be professionally cleaned with Eurocol 891 Euroclean Basic and sanded matt after drying.
- A primer coat of Eurocol adapted to the substrate and the expected layer thickness of the leveling compound is to be pre-coated. Allow the applied primer to dry thoroughly.
- Cracks or joints (except structural expansion joints) must be closed with Eurocol Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Level out coarse unevenness in advance with stable filling compound. After complete drying, the surface must be primed again.
- In the event of defects, objections must be reported in writing.

Instruction manual:

- Mix the powder in the specified quantity (see technical data) with clean, cold water using an electric mixer to form a smooth, lump-free mass.
- It is recommended to keep a maturing time of 2 - 3 minutes.

928 EUROPLAN WHITE

- Avoid overwatering, as this leads to sedimentation and the formation of unstable surface layers. Drying is also delayed.
- Apply the ready-mix within the working time in one working step if possible until the desired layer thickness is achieved. By using a squeegee and a spiked de-aeration roller, a smooth, even surface is obtained which usually does not need to be sanded.
- During the setting of the levelling compound, draughts and intensive sunlight must be avoided. This can lead to a too fast withdrawal of moisture, which "burns" the filler layer, pulverizes the surface edge zone and shrinkage cracks can occur.
- When laying on underfloor heating, the heating must be kept in operation for 3 days before, during and up to 7 days after laying with a surface temperature of 18 - 22°C.
- In the case of multi-layer levelling, apply an intermediate coat of completely set first levelling compound before applying the second, alternatively use a levelling compound suitable for the required thickness of the layer to be applied, in order to level in one operation.
- If sanding seems necessary, the sanded surface must be vacuumed and recoated with a dispersion primer suitable for the further application to bind residual dust.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

When mixing the product ensure that tools are always clean and free from cement residues.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	CP1 Calcium sulphate-based levelling compounds.
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available on request.

ITEM DATA

Article	Productname	Packaging	Shipping unit
928	Europlan White	paper bag à 25 kg	42/pallet

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BG171346, Version 08, Stand 2023-10-26, ersetzt Ausgabe vom 2023-07-07

928 EUROPLAN WHITE

eurocol 960

the strong connection



EUROPLAN SUPER

Superior, self-levelling levelling compound for cement-based and other stony subfloors. Office wheelchair-proof. Super flowability. Suitable for use under parquet. Pumpable. Layer thickness: from 2 mm to a maximum of 15 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	A water-mixed cement powder containing very high amounts of synthetic binders.
Color	Grey.
Consistency	Powder.

- Very low emission
- Emicode EC 1PLUS
- Less dust
- Favourable spreading capacity
- Self-smoothing
- Excellent flow
- Pumpable
- High compression strength
- Roller-castorchair resistant
- Maximum layer thickness of 15 mm
- Casein-free
- Suitable for under parquet floors.

PROPERTIES

Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 11 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 38 \text{ N/mm}^2$.
Consumption	Approx. 1.5 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	2 - 3 hours at $(18 - 20) ^\circ\text{C}^*$

APPLICATION

For levelling cement-based and other stony subfloors in layers up to maximum 15 mm which are to be covered with a floor covering or parquet. Use a maximum layer thickness of 10 mm at application to ships.

If applying by pump:

Consult pump supplier, ensure the pump is suitable for all types of levelling compounds. Pumping with a too high mixing rate can cause

960 EUROPLAN SUPER

an insufficient flow of the levelling compound.

PROCESSING

Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
Mixing ratio	Add 23 kg of 960 Europlan Super to 5 - 5.5 litres of water.
Processing time	Use within 30 minutes after mixing.*
Waiting time	Approx 3 minutes.
Drying	24 hours.*
Shelf Life	9 months, in unopened packaging.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 960 Europlan Super can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength.
- The subfloor should also be clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Decrease smooth and impervious subfloors (tile floors, granito, terrazzo etc.) with 014 Euroclean and dry well afterwards. As well as sandpapered and old (water-resistant) adhesive residues prime with 044 Europrimer Multi with a foam roller.
- Prime porous cement floors with 044 Europrimer Multi, 049 Europrimer ABS or 099 Dispersion primer with a foam roller.
- Fill cracks and deep damages with 905 Europlan Fill or 945 Europlan Solid. After hardening prime 905 Europlan Fill or 945 Europlan Solid with 044 Europrimer Multi, 099 Dispersieprimer or 049 Europrimer ABS.
- For levelling anhydrite floors use 925 Europlan Alphy Direct, 924 Europlan Hybrid and 920 Europlan Alphy.
- With asphalt floors and bituminous substrates it is recommended to ask for technical advice.
- Fix cracks/seams in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape and 846 Quartsand or 808 Eurojoint Connector in combination with 021 Euroblock Reno LE.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add 23 kg of 960 Europlan Super to 5 - 5.5 litres of cool and clean tap water.
- Stir the mortar, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Wait for approx. 3 minutes and stir the mortar once again, with a low rpm.
- Apply the mortar within 30 minutes on the floor with a trowel or notched squeegee.
- When pumping adjust the mixing-unit in such way that per 23 kg of 960 Europlan Super 5 - 5.5 litres of cool and clean tap water will be added.
- Protect fresh levelling compound layers against draft and direct sunlight.
- Under normal circumstances the applied layer is passable after 2-3 hours. At a layer thickness of 5 mm the levelling compound layer is ready for the installation of a floor covering after 24 hours.
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

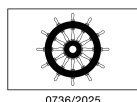
Temperature for material and subfloor : min. 15° - max 20 °C.

Relative humidity : 40 - 70%.

Underfloor heating systems:

960 Europlan Super can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after application, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

960 EUROPLAN SUPER

Hazard Class Xi (irritating).
MSDS For extensive information about safety and environment we refer to our website www.eurocol.nl.
Substances causing allergy Contains Cement, portland, chemicals, flue dust. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	EAN-code
960	Europlan Super	23 kg bag	8 710345 960236
960	Europlan Super	25 kg bag	4 026956 109686

42/palett (Made in Germany)

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150009, Version 16, Stand 2022-01-06, ersetzt Ausgabe vom 2021-12-07

960 EUROPLAN SUPER

eurocol 965

the strong connection



EUROPLAN FLEX

Fibre-reinforced self-levelling compound, on the basis of alpha hemihydrate.
Ideal under parquet and on deformable substrates. From 3 mm up to 15 mm.

PRODUCT TYPING

Base	A water-mixed alpha hemihydrate powder, filler, containing very high amounts of synthetic binders. Synthetic fibres.
Color	White.
Consistency	Powder.

- Fibre-reinforced, universal, very low-stress setting, self-levelling, cement-bound filler.
- For very high loads.
- For levelling mineral substrates, ceramic tiles, natural stone coverings, terrazzo, screwed wood-based panels (V100 P4 - P7, OSB 2 - 4) and fixed planks, parquet and mastic asphalt and on approved Eurocol decoupling boards (e.g. 823 Eurofloor Reno).
- Can be used in layer thicknesses from 3 to 15 mm, on mastic asphalt up to 5 mm, on decoupling boards (e.g. 823 Eurofloor Reno) up to 10 mm.
- For subsequent floor covering work and the laying of parquet.
- Pumpable.
- Synthetic fibres increase the flexibility of the set compound, especially when used on deformable, firm substrates such as wood-based panels.
- The product can be used on underfloor heating and is suitable for use with chair castors according to DIN EN 12529.
- For indoor use.
- Very low emission laying material, certified according to EMICODE EC1.

PROPERTIES

Bureau Wheelchair resistance	From 3 mm layer thickness.
Classification	CE: DIN EN 13813: CA-C25-F6.
Consumption	Approx. 1.4 kg/m ² per mm layer thickness.
Flammability	Non-flammable.
Frost resistance	yes.
Passableness	2 - 3 hours at (18 - 20) °C.*
Special quality	Fibre-reinforced. Free of chromate.

APPLICATION

For producing even and absorbent surfaces for floor covering and parquet work.

PROCESSING

Layer thickness	Maximum 15 mm.
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965 EUROPLAN FLEX

Forbo Eurocol Nederland B.V. | Industrieweg 1-2 | Postbus 130 | 1520 AC Wormerveer | Tel: +31 (0)75 627 16 00 | info.eurocol@forbo.com
Forbo Eurocol Deutschland GmbH | August-Röbling-Straße 2 | DE - 99091 Erfurt | PF 80 02 53 | Telefon: +49 361 730 41 0 | info.eurocol.de@forbo.com

Eurocol is part of the Forbo Group



Storage	Store in dry conditions between + 5 °C and + 30 °C
Tools	Trowel in combination with a spiked roller, mixing-device.
Mixing ratio	Add 25 kg of 965 Europlan Fibre to 6 - 6.5 litres of water.
Processing time	Use within 20 minutes after mixing.*
Waiting time	Approx 3 minutes.
Drying	Approx. 24 hrs. by 3 mm layer thickness, for each additional 3 mm - another day of drying time is required. Allow to dry for 36 hours under parquet.
Shelf Life	Approx 6 Months, in unopened packaging.
Cleaner	Water.
Remarks	<p>For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! Maintain a minimum layer thickness of 3 mm to achieve the reinforcing effect.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none"> • Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost. • To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>Not suitable for solid planks <22 mm and vertical lamella <16 mm thick.EMICODE, for more information visit www.emicode.com. For levelling work in connection with subsequent parquet adhesives using Eurocol 1K or 2K parquet adhesives, only use Eurocol 048 Europrimer Plus or reactive Eurocol primers.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be permanently dry, resistant to pressure and tension, free from cracks and dust, even and free from layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, are to be professionally cleaned with Eurocol 891 Euroclean Basic and sanded matt after drying.
- A primer coat of Eurocol adapted to the substrate and the expected layer thickness of the leveling compound is to be pre-coated. Allow the applied primer to dry thoroughly.
- Cracks or joints (except structural expansion joints) must be closed with Eurocol Europlan 913 Silicate sealing compound.
- For moisture-sensitive substrates (e.g. calcium sulphate screeds, suitable wood flooring panels) and layers thicker than 5 mm, prime with moisture-resistant, sprinkled with quartz sand Eurocol Reactive Primer.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Level out coarse unevenness in advance with stable filling compound. After complete drying, the surface must be primed again.

965 EUROPLAN FLEX

- In the event of defects, objections must be reported in writing.

Instruction manual:

- Mix the powder in the specified quantity (see technical data) with clean, cold water using an electric mixer to form a smooth, lump-free mass.
- It is recommended to keep a maturing time of 2 - 3 minutes.
- When pumping, set the mixing device so that a correct quantity of cold and clean tap water is added. Determine the spread size! Rinse the machine and hoses also during breaks to prevent hardening within the machine system. Please consult your pump manufacturer.
- Avoid overwatering, as this leads to sedimentation and the formation of unstable surface layers. Drying is also delayed.
- Apply the ready-mix within the working time in one working step if possible until the desired layer thickness is achieved. By using a squeegee and a spiked de-aeration roller, a smooth, even surface is obtained which usually does not need to be sanded.
- During the setting of the levelling compound, draughts and intensive sunlight must be avoided. This can lead to a too fast withdrawal of moisture, which "burns" the filler layer, pulverizes the surface edge zone and shrinkage cracks can occur.
- When laying on underfloor heating, the heating must be kept in operation for 3 days before, during and up to 7 days after laying with a surface temperature of 18 - 22°C.
- In the case of multi-layer levelling, apply an intermediate coat of completely set first levelling compound before applying the second, alternatively use a levelling compound suitable for the required thickness of the layer to be applied, in order to level in one operation.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	CP1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Productname	Packaging	Shipping unit
965	Europfan Fibre	paper bag à 25 kg	42/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

965 EUROPLAN FLEX

965 EUROPLAN FLEX

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Eurocol is part of the Forbo Group



eurocol 970

the strong connection



EUROPLAN NIVOHYBRID

Self-levelling, very low-tension setting levelling compound for levelling cement and anhydrite-bound subfloors, mastic asphalt (for mastic asphalt, maintain a max. 5 mm layer thickness), magnesite, wood granite chipboard or existing tiling in thicker layers. Can be finished after 48 hours. Layer thickness: from 3 to a maximum of 50 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Alpha-calcium sulphate hemihydrate in combination with special cements.
Color	Taupe.
Consistency	Powder.

- Fast setting
- Very low tension
- Good compressive strength
- Very low emissions (Emicode EC 1Plus)
- Good flowability
- Pumpable
- Dust-free
- Finishable after 48 hours
- Chromate-free
- layer thickness 50 mm*
- Suitable for underfloor heating constructions

PROPERTIES

Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 10 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 3 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2:2002 after 28 days $\geq 35 \text{ N/mm}^2$.
Consumption	Approx. 1.8 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	2–3 hours at 18–20 °C.*

APPLICATION

For levelling in layer thicknesses of 3 to 50 mm of cement- and anhydrite-based subfloors, mastic asphalt (use max. 5 mm layer thickness), magnesite, wood-granite chipboard or existing tiling in indoor applications. Not suitable for wet areas.

If applying by pump:

970 EUROPLAN NIVOHYBRID

First check with the pump supplier that the pump is suitable for all types of levelling. Pumping at too high a mixing speed can cause insufficient flow of the levelling compound.

PROCESSING

Storage	Store cool and dry.
Tools	Smoothing trowel or squeegee in combination with spiked roller, mixing pump unit.
Mixing ratio	23 kg 970 Europlan Nivohybrid to 4 litres of water.
Processing time	Use within 30 minutes after mixing.*
Waiting time	Allow to cure for 2 to 3 minutes after mixing.
Drying	48 hours.*
Shelf Life	12 Months, in unopened packaging.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 970 Europlan Nivohybrid can be used on any rigid, pressure-resistant and tear-resistant stony subfloor. The subfloor must also be clean, permanently dry and free from grease and dirt, in accordance with the requirements of DIN 18 365.
- Sand down cement and calcium sulphate-based subfloors (anhydrite) if necessary, then remove dust using an industrial vacuum cleaner.
- Prime absorbent cement-based subfloors with 044 Europrimer Multi. Prime anhydrite floors with 043 Europrimer Alphy. In both cases, prime with the aid of a fur roller.
- Thoroughly degrease smooth and closed subfloors (tile floors, granito, terrazzo, etc.) with 014 Euroclean. Remove the contamination and then, after sufficient drying, apply a thin but opaque layer of 044 Europrimer Multi using a foam roller. Old (waterproof) glue residues should also be primed in this way.
- Remove contamination and loose parts from asphalt floors and bituminous surfaces. Then prime the surface with 044 Europrimer Multi. Maintain a maximum levelling layer thickness of 5 mm for this type of subfloor.
- Pre-fill holes and damage in anhydrite-based screeds with 946 Europlan Hybrid Repair. After complete drying, prime these areas with 043 Europrimer Alphy. Repair cement-based screeds with 945 Europlan Solid, then prime with 044 Europrimer Multi after drying. After drying, the floor can be levelled.
- Fix cracks and/or joints in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape or 808 Eurojoint Connector, possibly with the addition of 846 Quartsand.
- Always consult our technical product information sheets. In case of doubt about the applications to be made, contact our Technical Advice Department in advance.

Instruction manual:

- To prepare 970 Europlan Nivohybrid, always use clean tools that are free of plaster or cement residues.
- For manual processing, add 23 kg of 970 Europlan Nivohybrid to 4.0 litres of cool tap water.
- Mix the mortar mechanically with the Eurocol 855 Mixer into a smooth and lump-free mass.
- Allow the prepared mortar to cure for approx. 2-3 minutes, then stir the mortar briefly at a low speed.
- Apply the mortar to the floor within 30 minutes with a smoothing trowel or squeegee in a layer thickness of at least 3 mm. Then de-aerate the applied layer immediately with a spiked roller. When applying in thicker layers, float the top layer using a float.
- For thicker layers, an edge strip must be placed at the wall-floor connection.
- If a second levelling layer is applied, the first layer must be completely dry and first primed with 043 Europrimer Alphy. After sufficient drying, the second layer can be applied, which should be no thicker than the first layer. The maximum indicated layer thickness should also not be exceeded.
- When pumping, set the mixing pump unit so that 4.0 litres of cool tap water are added per 23 kg of 970 Europlan Nivohybrid.
- Protect the freshly applied levelling layers against drafts and heating caused by direct sunlight.
- It's recommended not to sand or prime the dry levelling layer.
- If sanding the applied levelling layer is necessary, use a sanding mesh grit 100 or 120. Make the floor thoroughly dust-free after sanding with an industrial vacuum cleaner. If necessary, prime the floor with 049 Europrimer ABS or 099 Dispersion Primer with a foam roller (Eurocol 856/857). The minimum drying time is 2 hours.
- In normal conditions, the applied levelling layer is walkable after 2-3 hours and can be finished with a floor finish after 48 hours.
- Dispose of product residues and cleaning water according to the local environmental regulations and do not pour into drains.
- For detailed information on safety measures, refer to the safety data sheet on our website eurocol.nl.

Working conditions:

Required surrounding temperature : 18° - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40-70%.

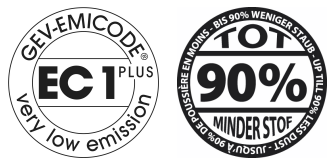
Underfloor heating systems:

970 Europlan Nivohybrid can be used on underfloor heating constructions. The start-up protocol of the underfloor heating must be fully executed in advance in accordance with the supplier's guidelines. Switch off the heating one day before levelling; then switch the heating

970 EUROPLAN NIVOHYBRID

back on again at least 24 hours after levelling, in steps of a maximum of 5°C water temperature per day.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE CP3 - Levelling compounds based on calcium sulphate and cement, calcium oxide content > 3%
MSDS For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code
970	Europlan Nivohybrid	23 kg bag	8 710345 970709

970 EUROPLAN NIVOHYBRID



eurocol

971

the strong connection

EUROPLAN DE RAPID

Quick drying screed, ready mixture without sand, fast setting and layer thickness from 5 mm to 40 mm.

PRODUCT TYPING

Base	A water-mixed cement powder containing very high amounts of synthetic binders.
Color	Grey.
Consistency	Powder.

- Very high-quality, universal, low-stress setting, self-levelling, cement-bound levelling screed.
- For very high loads.
- For producing quickly usable and ready-to-install substrates.
- As composite levelling layer on mineral substrates, ceramic tiles, natural stone coverings, terrazzo, screwed wood-based panels (V100 P4 - P7, OSB 2 - 4).
- Can be used in layer thicknesses from 5 to 40 mm.
- For subsequent floor covering work and the laying of parquet.
- Pumpable.
- The product can be used on underfloor heating and is suitable for use with chair castors according to DIN EN 12529.
- For indoor use and covered outdoor areas.
- Very low emission laying material, certified according to EMICODE EC 1 Plus.

PROPERTIES

Bureau Wheelchair resistance	From 5 mm layer thickness.
Classification	CE: DIN EN 13813: CT-C25-F7-A1fl.
Consumption	Approx. 1.7 kg/m ² per mm layer thickness.
Flammability	Non-flammable.
Frost resistance	Yes.
Passableness	2 - 3 hours at (18 - 20) °C.*
Special quality	Fast setting up to 4 cm layer thickness.

APPLICATION

For producing even and absorbent surfaces for floor covering work.

PROCESSING

Layer thickness	Maximum 40 mm.
Storage	Store cool and dry.
Tools	Trowel in combination with a spiked roller, mixing-device.
Mixing ratio	Add 25 kg of 971 Europlan DE Rapid to 4 litres of water.

971 EUROPLAN DE RAPID

Processing time	Use within 25 minutes after mixing.*
Waiting time	Approx 3 minutes.
Drying	Approx 24 - 96 hours,(1 cm per day). *
Shelf Life	Approx 6 Months, in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days!</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none"> • Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost. • To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>Not suitable on floating dry screed elements or floating wood-based panels. The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be permanently dry, resistant to pressure and tension, free from cracks and dust, even and free from layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, are to be professionally cleaned with Eurocol 891 Euroclean Basic and sanded matt after drying.
- A primer coat of Eurocol adapted to the substrate is to be pre-coated. Allow the applied primer to dry thoroughly.
- Cracks or joints (except structural expansion joints) must be closed with Eurocol Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- In the event of defects, objections must be reported in writing.

Instruction manual:

- Mix the powder in the specified quantity (see technical data) with clean, cold water using an electric mixer to form a smooth, lump-free mass.
- It is recommended to keep a maturing time of 2 - 3 minutes.
- When pumping, set the mixing device so that a correct quantity of cold and clean tap water is added. Determine the spread size! Rinse the machine and hoses also during breaks to prevent hardening within the machine system. Please consult your pump manufacturer.
- Avoid overwatering, as this leads to sedimentation and the formation of unstable surface layers. Drying is also delayed.
- Apply the ready-mix within the working time in one working step if possible until the desired layer thickness is achieved. By using a squeegee and a de-aeration broom, a smooth, even surface is obtained which usually does not need to be sanded.
- During the setting of the levelling compound, draughts and intensive sunlight must be avoided. This can lead to a too fast withdrawal of moisture, which "burns" the filler layer, pulverizes the surface edge zone and shrinkage cracks can occur.
- When laying on underfloor heating, the heating must be kept in operation for 3 days before, during and up to 7 days after laying with a surface temperature of 18 - 22°C.

971 EUROPLAN DE RAPID

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

Textile coverings and parquet can be applied directly to the leveled area, provided they are even. Other floor coverings require a fine levelling with suitable Eurocol levelling compounds.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	ZP1 Cementitious products, low chromate.
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .

ITEM DATA

Article	Productname	Packaging	Shipping unit
971	Europlan DE Rapid	paper bag à 25 kg	42/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150355, Version 14, Stand 2023-07-0, ersetzt Ausgabe vom 2022-08-01

971 EUROPLAN DE RAPID

eurocol 975

the strong connection



EUROPLAN SPECIAL

Self-levelling project levelling compound for cement-based and other stony subfloors which are finished with a floor covering. Good flowability. Pumpable. Layer thickness from 2 mm to a maximum of 10 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Cement-based powder with additives.
Color	Grey.
Consistency	Powder.

- Very low emission
- Emicode EC 1PLUS
- Less dust
- Favourable spreading capacity
- Self-smoothing
- Excellent flow
- Pumpable
- High compression strength
- Maximum layer thickness of 10 mm

PROPERTIES

Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 9 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 34 \text{ N/mm}^2$.
Consumption	Approx. 1.5 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	After 2 - 3 hours at $18^\circ - 20^\circ \text{ C.}^*$

APPLICATION

For levelling cement-based and other stony subfloors in layers up to maximum 10 mm which are to be covered with a floor covering.

If applying by pump:

Consult pump supplier, ensure the pump is suitable for all types of levelling compounds. Pumping with a too high mixing rate can cause an insufficient flow of the levelling compound.

975 EUROPLAN SPECIAL

PROCESSING

Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller.
Mixing ratio	Add 23 kg of 975 Europlan Special to 5.5 - 6 litres of water.
Processing time	Use within 30 minutes after mixing.*
Waiting time	Approx 3 minutes.
Drying	24 hours.*
Shelf Life	9 months, in unopened packaging.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 975 Europlan Special can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Decrease smooth and impervious subfloors (tile floors, granito, terrazzo etc.) with 014 Euroclean and dry well afterwards. As well as sandpapered and old (water-resistant) adhesive residues prime with 044 Europrimer Multi with a foam roller.
- Prime porous cement floors with 044 Europrimer, Multi 099 Dispersionprimer or 049 Europrimer ABS with a foam roller.
- Fill cracks and deep damages with 905 Europlan Fill or 945 Europlan Solid.
- After hardening prime 905 Europlan Fill or 945 Europlan Solid with 044 Europrimer Multi, 099 Dispersieprimer or 049 Europrimer ABS.
- Fix cracks/seams in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape and 846 Quartsand or with 808 Eurojoint Connector in combination with 021 Euroblock Reno LE.
- With asphalt floors and bituminous substrates it is recommended to ask for technical advice.
- For levelling anhydrite floors use 925 Europlan Alphy Direct, 924 Europlan Hybrid or 920 Europlan Alphy.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add 23 kg of 975 Europlan Special to 5.5 - 6 litres of cool and clean water.
- Stir the mortar, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Wait for approx. 3 minutes and stir the mortar once again, with a low rpm.
- Apply the mortar within 30 minutes on the floor with a trowel or notched squeegee.
- When pumping adjust the mixing-unit in such way that per 23 kg of 975 Europlan Special 5.5 - 6 litres of cool and clean tap water will be added.
- Protect fresh levelling compound layers against draft and direct sunlight.
- Under normal circumstances the applied layer is passable after 2-3 hours. At a layer thickness of 5 mm the levelling compound layer is ready for the installation of a floor covering after 24 hours.
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

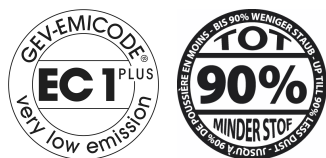
Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40-70%.

Underfloor heating systems:

975 Europlan Special can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after application, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class	Xi (irritating).
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

975 EUROPLAN SPECIAL

Substances causing allergy Contains Cement, portland, chemicals, flue dust. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	EAN-code	shipping unit
975	Europlan Special	23 kg bag	8 710345 975100	42/pallet
975	Europlan Special	25 kg bag	4 026956 069782	42/pallet (Made in Germany)

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150002, Version 11, Stand 2022-01-06, ersetzt Ausgabe vom 2021-12-07

975 EUROPLAN SPECIAL

eurocol

977

the strong connection



EUROPLAN PRO

Self-levelling compound, cementbased, ideal under parquet, excellent self-levelling and layer thickness up to 10 mm.

PRODUCT TYPING

Base	Cement-powder with additives and a high synthetic binder content.
Color	Gray.
Consistency	Powder.

- High-quality, universal, low-stress setting, self-levelling compound, cement-bound.
- For very heavy duty use.
- For levelling mineral subfloors, ceramic tiles, natural stone coverings, terrazzo, screwed wood-based panels (V100 P4 - P7, OSB 2 - 4), mastic asphalt and on approved Eurocol decoupling boards (e.g. 823 Eurofloor Reno).
- Can be used in layer thicknesses up to 10 mm, on mastic asphalt up to 5 mm.
- For subsequent floor covering work.
- Pumpable up to 75 m hose length.
- Squeegeeable.
- The product can be used on underfloor heating and is suitable for use with chair castors according to DIN EN 12529.
- For indoor use.
- Very low emission installation material, certified according to EMICODE EC 1 Plus.
- Certified by [baubook](#) "ecological building product".

PROPERTIES

Bureau Wheelchair resistance	From 2 mm layer thickness.
Classification	CE: DIN EN13813: CT-C30-F10-A1fl.
Consumption	Approx. 1.5 kg/m ² per mm layer thickness.
Frost resistance	Yes.
Passableness	2 - 3 hours at (18 - 20) °C.*
Special quality	Can also be used under parquet flooring.

APPLICATION

For producing even and absorbent surfaces for floor covering and parquet work.

PROCESSING

Layer thickness	Maximum 10 mm.
Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.

977 EUROPLAN PRO

Mixing ratio	Add 25 kg of 977 Europlan PRO to 6 - 6,5 litres of water.
Processing time	Use within 30 minutes after mixing.*
Waiting time	Approx 3 minutes.
Drying	Approx. 24 hrs. by 3 mm layer thickness, for each additional 3 mm - another day of drying time is required.
Shelf Life	Approx 12 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>Not suitable for solid planks <22 mm and vertical lamella <16 mm thick.</p> <p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm. When used under parquet, a minimum layer thickness of 3 mm must be observed.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none"> • Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost. • To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>Not suitable on floating dry screed elements or floating wood-based panels. The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>EMICODE, for more information visit www.emicode.com. For levelling work in connection with subsequent parquet adhesives using Eurocol 1K or 2K parquet adhesives, only use Eurocol 048 Europrimer Plus or reactive Eurocol primers.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be permanently dry, resistant to pressure and tension, free from cracks and dust, even and free from layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, are to be professionally cleaned with Eurocol 891 Euroclean Basic and sanded matt after drying.
- A primer coat of Eurocol adapted to the substrate and the expected layer thickness of the leveling compound is to be pre-coated. Allow the applied primer to dry thoroughly.
- Cracks or joints (except structural expansion joints) must be closed with Eurocol Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Level out coarse unevenness in advance with stable filling compound. After complete drying, the surface must be primed again.
- In the event of defects, objections must be reported in writing.

977 EUROPLAN PRO

Instruction manual:

- Mix the powder in the specified quantity (see technical data) with clean, cold water using an electric mixer to form a smooth, lump-free mass.
- It is recommended to keep a maturing time of 2 - 3 minutes.
- When pumping, set the mixing device so that a correct quantity of cold and clean tap water is added. Determine the spread size! Rinse the machine and hoses also during breaks to prevent hardening within the machine system. Please consult your pump manufacturer.
- Avoid overwatering, as this leads to sedimentation and the formation of unstable surface layers. Drying is also delayed.
- Apply the ready-mix within the working time in one working step if possible until the desired layer thickness is achieved. By using a squeegee and a spiked de-aeration roller, a smooth, even surface is obtained which usually does not need to be sanded.
- During the setting of the levelling compound, draughts and intensive sunlight must be avoided. This can lead to a too fast withdrawal of moisture, which "burns" the filler layer, pulverizes the surface edge zone and shrinkage cracks can occur.
- When laying on underfloor heating, the heating must be kept in operation for 3 days before, during and up to 7 days after laying with a surface temperature of 18 - 22°C.
- In the case of multi-layer levelling, apply an intermediate coat of completely set first levelling compound before applying the second, alternatively use a levelling compound suitable for the required thickness of the layer to be applied, in order to level in one operation.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	ZP1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .
Substances causing allergy	Contains Cement, portland, chemicals, flue dust. May produce an allergic reaction.

ITEM DATA

Article	Productname	Packaging	Shipping unit
977	Europlan Pro	paper bag à 25 kg	42/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

977 EUROPLAN PRO

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BG150977, Version 16, Stand 2023-07-07, ersetzt Ausgabe vom 2022-03-03

977 EUROPLAN PRO

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Eurocol is part of the Forbo Group



eurocol 990

the strong connection



EUROPLAN DIRECT

Self-levelling and very high-quality levelling compound with built-in primer for the direct levelling of cement-based and other stone subfloors in most cases without the use of a primer. In combination with 811 Europlan Fibre also very suitable for wooden floors (panels). Virtually tension-free. Excellent flow properties. Pumpable. Suitable for use under parquet floors. Layer thickness from 2 mm to a maximum of 20 mm. Suitable for indoor use. Thanks to EMICODE EC 1 PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Cement-based powder with a high synthetic binder content to be mixed with water.
Color	Grey.
Consistency	Powder.

- Very high quality, universal, low-stress setting, self-levelling compound, cement-based.
- For extreme loads.
- Can be used in most applications without primer.
- For levelling especially critical substrates such as waterproof, firmly bonded adhesive residues, mineral substrates, ceramic tiles, natural stone coverings, terrazzo, as well as standard mastic asphalt.
- Can also be used with primer on new mineral substrates, on screwed wood-based panels (V100 P4 - P7, OSB 2 - 4).
- Can also be used as substrate under Eurocol Surface products.
- Also for the production of Eurocol FloorDesign floors in combination with Eurocol pigment powder and Eurocol Surface Finish.
- Can be used in layer thicknesses up to 20 mm, on mastic asphalt up to 5 mm.
- For subsequent flooring work and the laying of parquet.
- Pumpable.
- Squeegeeable.
- Dust reduced. (**)
- Favourable spreading capacity
- Self-smoothing
- Low-tension
- Excellent flow
- High compression strength
- Casein-free
- The product can be used on underfloor heating and is suitable for use with chair castors in accordance with DIN EN 12529.
- For indoor use.
- Very low emission laying material, certified according to EMICODE EC 1 Plus.

PROPERTIES

Adhesion	After 28 days 2,75 N/mm ²
Bending Strength	According to NEN-EN 13892-2:2002: after 28 days ≥ 11 N/mm ² .
Bureau Wheelchair resistance	From 1 mm layer thickness.
Classification	CE: DIN EN 13813: CT-C35-F10.
Compressive strength	According to NEN-EN 13892-2:2002: after 28 days ≥ 33 N/mm ² .
Consumption	Approx. 1.5 kg/m ² per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	2 - 3 hours at (18 - 20) °C.*
Special quality	Dust reduced (**), can usually be used without primer. Can also be used under parquet flooring.

APPLICATION

For levelling critical and stony subfloors (interior use) in layers up to 20 mm.

If applying by pump:

Consult pump supplier, ensure the pump is suitable for all types of levelling compounds. Pumping with a too high mixing rate can cause an insufficient flow of the levelling compound.

PROCESSING

Layer thickness	Maximum 20 mm.
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990 EUROPLAN DIRECT

Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
Mixing ratio	Add 23 kg of 990 Europlan Direct to 5.5 - 6,0 litres of water. Add 25 kg of 990 Europlan Direct to 6,0 - 6,5 litres of water.
Processing time	Use within 20 minutes after mixing.*
Waiting time	Approx 3 minutes.
Drying	24 hours.*
Shelf Life	9 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.</p> <p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm. When used under parquet, a minimum layer thickness of 3 mm must be observed.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none"> Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost. To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>Not suitable on floating dry screed elements or floating wood-based panels. The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>EMICODE, for more information visit www.emicode.com. For levelling work in connection with subsequent parquet adhesives using Eurocol 1K or 2K parquet adhesives, only use Eurocol 048 Europrimer Plus or reactive Eurocol primers.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 990 Europlan Direct can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365/DIN 18356.
- In most cases it is not necessary to use a primer.
- Degrease smooth and impervious subfloors (tile floors, granito, terrazzo etc.) with 014 Euroclean/891 Euroclean Basic and and dry well.
- Absorbent subfloors (sand/cement screeds) can be levelled with 990 Europlan Direct without a primer.
- Prime very strong porous subfloors with 044 Europrimer Multi/044-1 Europrimer Multi Plus, 099 Dispersion Primer or 049 Europrimer ABS with a foam roller.
- Prime moisture sensitive subfloors (e.g. anhydrite, magnesite, water-soluble adhesive residues etc.) with 021 Euroblock Reno/021 Euroblock LE, 042 Euroblock Turbo or 026 Euroblock Multi.
- In case of asphalt floors and bituminous substrates contact our technical department.
- Fill cracks and deep damages with 905 Europlan Fill or 945 Europlan Solid/940 Europlan Quick.
- After hardening prime 905 Europlan Fill or 945 Europlan Solid with 044 Europrimer Multi/044-1 Europrimer Multi Plus or 049 Europrimer ABS.
- Wooden floorboards must be of a good waterproof quality. During mixing of the 23 kg levelling mortar, add 250 g 811 Europlan Fibre. Minimum layer thickness must be 3 mm. Don't divide the levelling mortar with a notched squeegee. Seams must be sealed up with 900 Europlan Reno or a suitable acrylic sealant.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Fix cracks/seams in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape and 846 Quartsand or 808 Eurojoint Connector in combination with 021 Euroblock Reno LE. Alternatively with Europlan 913 Silicate sealing compound.
- Level anhydrite floors with 925 Europlan Alphy Direct, 924 Europlan Hybrid or 920 Europlan Alphy.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add 23 kg of 990 Europlan Direct to 5.5 - 6 litres of cool and clean tap water.
- Stir thoroughly, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Wait for approx. 3 minutes and stir the mortar once again with a low rpm.
- Apply the mortar within 20 minutes on the floor with a trowel or notched squeegee.
- When pumping, adjust the mixing-device in such way that per 23 kg 990 Europlan Direct 5,5 - 6 litres of cool and clean tap water will be added.
- Protect fresh levelling compound layers against draft and direct sunlight.
- Under normal circumstances the applied layer is passable after 2-3 hours. At a layer thickness of 5 mm the levelling compound layer is ready for the installation of a floor covering after 24 hours.
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

990 EUROPLAN DIRECT

Working conditions:
Required surrounding temperature : 18 - 23 °C.
Temperature for material and subfloor : min. 15° - max. 20 °C.
Relative humidity : 40 - 70%.

Underfloor heating systems:
990 Europlan Direct can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	ZP1 Cementitious products, low chromate.
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains Cement, portland, chemicals, flue dust. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	EAN-code	Shipping unit
990	Europlan Direct	23 kg bag	8 710345990202	42/pallet
990	Europlan Direct	25 kg bag	4 026956115502	42/pallet (**) Made in Germany

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BC150020, Version 07, Stand 2023-07-06 ersetzt Version 2022-07-05

990 EUROPLAN DIRECT



eurocol 991

the strong connection



EUROPLAN DIRECT RAPID

Very fast-drying, self-levelling and very high-quality levelling compound with built-in primer for directly levelling cement-based and other stone subfloors in most cases without the use of a primer. Can be walked on after approx. 1 - 1.5 hours, can be covered with a floor covering after approx. 1.5 - 3 hours. Excellent flow properties. Pumpable. Layer thickness: from 2 mm to a maximum of 20 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects

PRODUCT TYPING

Base	Cement-powder with additives and a high synthetic binder content, to be mixed with water.
Color	Grey.
Consistency	Powder.

- Quickly ready for laying, very high-quality, universal, low-stress setting, self-levelling compound, cement-based.
- For very heavy duty use.
- Can be used in most applications without primer.
- For levelling especially critical substrates such as waterproof, firmly bonded adhesive residues, mineral substrates, ceramic tiles, natural stone coverings, terrazzo, as well as standard mastic asphalt.
- Can also be used with primer on new mineral substrates, on screwed wood-based panels (V100 P4 - P7, OSB 2 - 4).
- Can be used in layer thicknesses up to 20 mm, on mastic asphalt up to 5 mm.
- For subsequent floor covering work and laying of parquet.
- Pumpable.
- Squeegeeable.
- Dust-reduced **.
- Walkable after approx. 60 minutes.
- Ready for laying after approx. 1.5 - 3 hours.
- Favourable spreading capacity
- Excellent flow
- High compression strength
- The product can be used on underfloor heating and is suitable for use with chair castors according to DIN EN 12529.
- For indoor use.
- Very low emission laying material, certified according to EMICODE EC 1 Plus.

PROPERTIES

Adhesion	After 28 days 3,6 N/mm ² .
Bending Strength	According to NEN-EN 13892-2:2002: after 28 days ≥ 12 N/mm ² .
Bureau Wheelchair resistance	From 1 mm layer thickness.
Classification	CE: DIN EN 13813: CT-C40-F10.
Compressive strength	According to NEN-EN 13892-2:2002: after 28 days ≥ 42 N/mm ² .
Consumption	Approx. 1.5 kg/m ² per mm layer thickness.

991 EUROPLAN DIRECT RAPID

Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	Approx 1 - 1,5 hour at (18 - 20) °C.*
Special quality	Quick to walk on and ready for laying, dust reduced **, can usually be used without primer. Can also be used under parquet flooring.

APPLICATION

For levelling stony subfloors (interior use) in layers up to 20 mm. At layers up to 2 mm, a surrounding temperature 18° - 20° C and a relative humidity of < 70%, the applied levelling compound layer is ready for the installation of linoleum, needlefelt, carpet, PVC- and rubber floor covering after 1.5 - 3 hours. For the installation of linoleum, needlefelt and carpet the residual moisture percentage in the subfloor may not be measured above 3.5 CM-%. For installation of PVC- and rubber floor covering is this respectively 2.5 and 2.0 CM-%. Install parquet and cork after at least 12 hours. In this case the residual moisture percentage may not be measured above 2.5 CM-%.

If applying by pump:

Consult pump supplier, ensure the pump is suitable for all types of levelling compounds. Pumping with a too high mixing rate can cause an insufficient flow of the levelling compound.

PROCESSING

Layer thickness	Maximum 20 mm.
Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller.
Mixing ratio	Add 23 kg of 991 Europlan Direct Rapid to 5 - 5.5 litres of water.
Mixing ratio	Add 25 kg of 991 Europlan Direct Rapid to 6,0 litres of water.
Processing time	Use within 15 minutes after mixing.*
Waiting time	Approx 3 minutes.
Drying	At 18 - 20 °C and a relative humidity < 70% the applied levelling compound layer is ready for the installation of linoleum, needlefelt, carpet, PVC and rubber after 1.5 - 3 hours. For the Installation of parquet and cork the drying time is 12 hrs.*
Shelf Life	12 Months, in unopened packaging.
Cleaner	Water.
Remarks	For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.

For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used.

Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!

Apply flooring to the filled area within the next few days!
For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm.
When used under parquet, a minimum layer thickness of 3 mm must be observed.

In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.

After application of levelling compound.

- Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost.
- To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering.

Not suitable on floating dry screed elements or floating wood-based panels.
The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.

991 EUROPLAN DIRECT RAPID

Wear protective glasses and gloves.
If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist.
Protect your hands with waterproof, robust gloves.
Wear long trousers.
Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately.
The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage.
Keep children away from fresh adhesive or installation material.

**) Observe the corresponding notes on dust reduction on the packaging. EMICODE, for more information visit www.emicode.com. For levelling work in connection with subsequent parquet adhesives using Eurocol 1K or 2K parquet adhesives, only use Eurocol 048 Europrimer Plus or reactive Eurocol primers.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 991 Europlan Direct Rapid can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365/DIN 18356.
- In most cases it is not necessary to use a primer.
- Degrease smooth and impervious subfloors (tile floors, granito, terrazzo etc.) with 014 Euroclean/891 Euroclean Basic and and dry well. For a layer thickness of 4 mm or more, prime the non-absorbent substrate with 044 Europrimer Multi/044-1 Europrimer Multi Plus.
- Absorbent subfloors (sand/cement screeds) can be levelled without a primer.
- Prime very strong porous subfloors with 044 Europrimer Multi/044-1 Europrimer Multi Plus, 099 Dispersion Primer or 049 Europrimer ABS with a foam roller.
- Prime moisture sensitive subfloors (e.g. anhydrite, magnesite, water-soluble adhesive residues etc.) with 021 Euroblock Reno/021 Euroblock Reno LE, 042 Euroblock Turbo or 026 Euroblock Multi.
- In case of asphalt floors and bituminous substrates contact our technical department.
- Fill cracks and deep damages with 905 Europlan Fill or 945 Europlan Solid/940 Europlan Quick.
- After hardening prime 905 Europlan Fill or 945 Europlan Solid with 044 Europrimer Multi/044-1 Europrimer Multi Plus or 049 Europrimer ABS.
- Wooden floorboards must be of a good waterproof quality. During mixing of the 23 kg levelling mortar, add 250 g 811 Reno fibers. Minimum layer thickness must be 3 mm. Don't divide the levelling mortar with a notched squeegee. Seams must be sealed up with 900 Europlan Reno or a suitable acrylic sealant.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Fix cracks/seams in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape and 846 Quartzsand or 808 Eurojoint Connector in combination with 021 Euroblock Reno LE. Alternatively with Europlan 913 Silicate sealing compound.
- Level anhydrite floors with 925 Europlan Alphy Direct, 924 Europlan Hybrid or 920 Europlan Alphy.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add 23 kg of 991 Europlan Direct Rapid to 5 - 5.5 litres of cool and clean tap water.
- Add 25 kg of 991 Europlan Direct Rapid to 6 litres of cool and clean tap water.
- Stir thoroughly, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Wait for approx. 3 minutes and stir the mortar once again, with a low rpm.
- Apply the mortar within 15 minutes on the floor with a trowel or notched squeegee.
- When pumping adjust the mixing-unit in such way that per 23 kg of 991 Europlan Direct Rapid 5 – 5.5 litres (25 kg/6,0 litres) of cool and clean tap water will be added
- Protect fresh levelling compound layers against draft and direct sunlight.
- Under normal circumstances the layer is passable after approx. 1 - 1.5 hours. At a layer thickness of 2 mm and a temperature of 18 - 20 °C, the levelling compound layer is ready for the installation of a floor covering after 1.5 - 3 hours, provided that the moisture content does not cross 3.5 CM-%.
- Higher temperatures will accelerate and lower temperatures will slow down the application and drying time of 991 Europlan Direct Rapid.
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 18 - 23 °C.
Temperature for material and subfloor : min. 15° - max. 20 °C.
Relative humidity : 40-70%.

Underfloor heating systems:

991 Europlan Direct Rapid can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

991 EUROPLAN DIRECT RAPID

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	ZP1 Cementitious products, low chromate.
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains Cement, portland, chemicals, flue dust. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	EAN-code	Shipping unit
991	Europlan Direct Rapid	23 kg bag	8 710345 991117	42/pallet
991	Europlan Direct Rapid	25 kg bag	4 026956 115519	42/pallet (**) Made in Germany

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150025, Version 14, Stand 2023-07-07, ersetzt Ausgabe vom 2022-01-07

991 EUROPLAN DIRECT RAPID

eurocol 999

the strong connection



EUROPLAN UNIFILL

Self-smoothing levelling compound, cement based, for stony subfloors, up to 5 mm.

PRODUCT TYPING

Base	Cement-based powder with additives.
Color	Grey.
Consistency	Powder.

- Self-levelling, low-stress setting, cement-bound levelling compound.
- For medium loads.
- For levelling mineral substrates, ceramic tiles, natural stone coverings, terrazzo and mastic asphalt.
- Can be used in layer thicknesses up to 5 mm, on mastic asphalt up to 3 mm.
- For subsequent floor covering work.
- Squeegeeable.
- The product can be used on underfloor heating and is suitable for use with chair castors in accordance with DIN EN 12529.
- For indoor use.
- Very low emission installation material, certified according to EMICODE EC 1 Plus.

PROPERTIES

Bureau Wheelchair resistance	From 2 mm layer thickness.
Classification	CE: DIN EN 13813: CT-C25-F7.
Consumption	Approx. 1.5 kg/m ² per mm layer thickness.
Flammability	Non-flammable.
Frost resistance	Yes.
Passableness	2 - 3 hours at (18 - 20) °C.*
Special quality	For use in residential and public areas, for floor coverings.

APPLICATION

For levelling cement-based and other stony subfloors in layers up to maximum 5 mm, which are to be covered with a floor covering.

PROCESSING

Layer thickness	Maximum 5 mm.
Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller.
Mixing ratio	Add 25 kg to 6,0 - 6,5 litres of water.

999 EUROPLAN UNIFILL

Processing time	Use within 30 minutes after mixing.*
Waiting time	Approx 3 minutes. Then stir again.
Drying	Approx. 24 hrs. by 3 mm layer thickness, for each additional 3 mm - another day of drying time is required.
Shelf Life	Approx 12 months, in unopened packaging.
Cleaner	Water.
Remarks	Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!

Apply flooring to the filled area within the next few days!
For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm.

In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.

After application of levelling compound.

- Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost.
- To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering.

Not suitable on floating dry screed elements or floating wood-based panels.
The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.

Wear protective glasses and gloves.
If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist.
Protect your hands with waterproof, robust gloves.
Wear long trousers.
Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately.
The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage.
Keep children away from fresh adhesive or installation material.

EMICODE, for more information visit www.emicode.com. Not suitable for laying parquet.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be permanently dry, resistant to pressure and tension, free from cracks and dust, even and free from layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, are to be professionally cleaned with Eurocol 891 Euroclean Basic and sanded matt after drying.
- A primer coat of Eurocol adapted to the substrate and the expected layer thickness of the leveling compound is to be pre-coated. Allow the applied primer to dry thoroughly.
- Cracks or joints (except structural expansion joints) must be closed with Eurocol Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Level out coarse unevenness in advance with stable filling compound. After complete drying, the surface must be primed again.
- In the event of defects, objections must be reported in writing.

Instruction manual:

- Mix the powder in the specified quantity (see technical data) with clean, cold water using an electric mixer to form a smooth, lump-free mass.
- It is recommended to keep a maturing time of 2 - 3 minutes.
- Avoid overwatering, as this leads to sedimentation and the formation of unstable surface layers. Drying is also delayed.
- Apply the ready-mix within the working time in one working step if possible until the desired layer thickness is achieved. By using a squeegee and a spiked de-aeration roller, a smooth, even surface is obtained which usually does not need to be sanded.
- During the setting of the levelling compound, draughts and intensive sunlight must be avoided. This can lead to a too fast withdrawal of moisture, which "burns" the filler layer, pulverizes the surface edge zone and shrinkage cracks can occur.
- When laying on underfloor heating, the heating must be kept in operation for 3 days before, during and up to 7 days after laying

999 EUROPLAN UNIFILL

- with a surface temperature of 18 - 22°C.
- In the case of multi-layer levelling, apply an intermediate coat of completely set first levelling compound before applying the second, alternatively use a levelling compound suitable for the required thickness of the layer to be applied, in order to level in one operation.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	ZP1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .
Substances causing allergy	Contains Cement, portland, chemicals, flue dust. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	Shipping unit
999	Europlan Unifill	paper bag à 25 kg	42/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150006, Version 16, Stand 2023-07-06, ersetzt Ausgabe vom 2022-03-03

999 EUROPLAN UNIFILL

eurocol 905

the strong connection



EUROPLAN FILL

Very fast drying cement-based repair mortar for filling small holes and cracks in stone floors and walls. Due to the fine powder structure, it can be spread to practically zero. Layer thickness 0-40 mm.

PRODUCT TYPING

Base	Cement-based powder with additives.
Color	Grey.
Consistency	Powder.

- Simple in use
- Very fast drying
- Applicable from 0 mm
- Very smooth finishing
- Directly usable

PROPERTIES

Flammability	Non-flammable.
Sensitive to frost	No.
Special quality	Fast drying mortar.

APPLICATION

Mortar for:

- smoothening away irregularities and differences of height in levelling and stony floors
- filling of joints of water-resistant sheet material, bitumen and tile floors
- repairing damaged concrete

PROCESSING

Storage	Store cool and dry.
Tools	Trowel or putty-knife.
Mixing ratio	Add 4 parts 905 Europlan Fill to 1 part of water or mix a small quantity of powder with water to a flexible mortar.
Processing time	Use within 5 minutes after mixing. *
Waiting time	None.

905 EUROPLAN FILL

Drying	15-30 minutes. *
Shelf Life	12 Months, in unopened packaging.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 905 Europlan Fill can be applied on any stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Apply 044 Europrimer Multi thinly and evenly on smooth and impervious subfloors (tile floors, granito, terrazzo etc.).
- Porous cement screeds should first be damped with water or primed with 044 Europrimer Multi or 049 Europrimer ABS.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add 4 parts of 905 Europlan Fill to 1 part of water and stir thoroughly to a homogeneous mixture.
- Apply the mortar immediately with a trowel or putty-knife.
- Until approx. 1 hour after hardening, the applied 905 Europlan Fill can still be polished by sprinkling the mortar with a little water and polishing it with a trowel.

ENVIRONMENT AND HEALTH

Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
905	Europlan Fill	Bucket with 4 kg box	8 710345 905107

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905 EUROPLAN FILL

eurocol

940

the strong connection

EUROPLAN QUICK

Fast-setting, cement-based filling and repairing compound, fast setting and firm repair mortar. Can be used up to 50 mm layer thickness.

PRODUCT TYPING

Base	Special cements, mineral aggregates, plaster, polymer-bound levelling and defoaming agents, thickeners, additives.
Color	Grey.
Consistency	Powder.

- Stable, very high load-bearing, fast curing and fast walkable, cementitiously repairing compound.
- For repairing and levelling stairs and landings.
- For filling screed break-outs, holes and deeper unevenness.
- For shaping edges, transitions and slopes.
- For filling and smoothing joints of fully bonded, approved Eurocol decoupling boards (e.g. 823 Eurofloor Reno).
- Applicable in layer thickness up to 50 mm. On decoupling boards (e.g. 823 Eurofloor Reno) up to 10 mm.
- Well extendable towards "zero" mm layer thickness.
- Stable and smooth adjustable by adding water.
- Stretchable up to 30 % with 846 Europlan Sand for layer thickness over 10 mm.
- The product can be used on underfloor heating and is suitable for use with chair castors according to DIN EN 12529.
- For interior use.
- Very low emission laying material, certified according to EMICODE EC 1 Plus.
- Declared by [baubook](#), "ecological building product".
- Blue Angel UZ113.

PROPERTIES

Bureau Wheelchair resistance	From 1 mm layer thickness.
Classification	CE: DIN EN 13813: CT-C40-F7. A1fl (EN13501-1)
Consumption	Approx. 1.5 kg/m ² per mm layer thickness.
Flammability	Non-flammable.
Frost resistance	Yes.
Passableness	Approx. 45 minutes at (18 - 20) °C.*
Special quality	Stable and smoothly adjustable through appropriate water addition. Over 10 mm layer thickness with up to 30 % quartz sand stretchable. Extendable towards "zero" mm thickness..

APPLICATION

- For levelling and repairing steps and smaller floor areas.
- For filling cracks, holes etc. in cement-based floors.

940 EUROPLAN QUICK

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Eurocol is part of the Forbo Group



PROCESSING

Layer thickness	Maximum 50 mm.
Storage	Store cool and dry.
Tools	Trowel or putty-knife.
Mixing ratio	Add 25 kg of 940 Europlan Quick to 5,5 - 6 litres of water.
Processing time	Use within 15 minutes after mixing.*
Drying	App. 45 minutes.
Shelf Life	Approx 12 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm. When used under parquet, a minimum layer thickness of 3 mm must be observed.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none">• Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost.• To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>Not suitable on floating dry screed elements or floating wood-based panels. The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>EMICODE, for more information visit www.emicode.com. Wear protective gloves / eye protection. For levelling work in connection with subsequent parquet adhesives using Eurocol 1K or 2K parquet adhesives, only use Eurocol 048 Europrimer Plus or reactive Eurocol primers.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 940 Europlan Quick can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365/DIN 18356.
- Prime smooth and impervious subfloors such as tile floors, granito, terrazzo, asphalt floors and bituminous substrates as well as old and sandpapered (water-resistant) adhesive residues with 044 Europrimer Multi/044-1 Europrimer Multi Plus/070 Europrimer Fill with a foam roller.
- Prime porous cement screeds with 044 Europrimer Multi/044-1 Europrimer Multi Plus or 049 Europrimer ABS with a lambswool roller or damp with water.
- Cracks/seams in the subfloor must be fixed with 021 Euroblock Reno in combination with 063 Eurotape or with 808 Eurojoint Connector possibly in combination with 846 Quartsand. Alternatively with Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

940 EUROPLAN QUICK

- Mix the powder in the specified quantity (see technical data) with clean, cold water using an electric mixer to form a smooth, lump-free mass. For partial quantities use approx. 0.22 - 0.24 litres of water per kg powder. Only so mix a lot of powder as can be processed within the working time
- Depending on the intended use, varying the amount of water can produce a mortar that is stable to smooth and easy to remove.
- Apply the ready-mix within the working time in as one operation as possible until the desired layer thickness is achieved.
- Smooth stairs or repair areas with a damp sponge after smoothing. If walkable, used gauges can also be removed.
- During the setting of the levelling compound, avoid draughts and intense sunlight.
This can lead to a too fast withdrawal of moisture, which "burns" the filler layer, pulverizes the surface edge zone and shrinkage cracks can occur.
- When laying on underfloor heating, the heating must be kept in operation for 3 days before, during and up to 7 days after laying with a surface temperature of (18 - 22) °C.
- In case of multi-layer levelling and levelling works with self-levelling compounds, apply an intermediate coat of completely set first levelling compound before applying the second one and allow to dry.
- For application thicknesses above 5 mm, stretching with sand (grain size 1 - 3 mm) is possible. When mixing, the stretching material is added as the last component. The maximum amount of additive must not exceed 30 % of the filling compound.

Processing conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	ZP1 Cementitious products, low chromate.
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	Shipping unit
940	Europlan Quick	paper bag à 25 kg	42/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150030, Version 10, Stand 2021-08-20, ersetzt Ausgabe vom 2021-07-26

940 EUROPLAN QUICK

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Eurocol is part of the Forbo Group



eurocol 945

the strong connection



EUROPLAN SOLID

This repair mortar can be processed in both liquid and solid form. Ideal for filling e.g. pipe slots or filling holes, grooves and unevenness in cement-bonded and other stone floors. Also suitable for leveling out unevenness in small floor surfaces and repairing steps. The mortar does not shrink during setting and its fine structure allows it to be finished very smoothly. Layer thickness 1-50 mm.

PRODUCT TYPING

Base	Cement-based powder with additives and a high synthetic binder content, to be mixed with water.
Color	Grey.
Consistency	Powder.

- Very low emission
- Emicode EC 1PLUS
- Dust reduced
- Fast setting (for fixing floor covering)
- Maximum layer thickness 50 mm
- Firm
- High compression strength
- Roller-castorchair resistant from 1 mm
- Very smooth finishing

PROPERTIES

Bending Strength	According to NEN-EN 13892-2 after 28 days $\geq 8 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 1 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2 after 28 days $\geq 30 \text{ N/mm}^2$.
Consumption	Approx. 1.5 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	1 hour at 18- 20 °C.*

APPLICATION

- Very suitable for filling deep cracks.
- For levelling and repairing steps and smaller floor surfaces, inside.
- For filling holes, cracks and irregularities in cement-based floors.
- Not suitable for wet areas and outdoor applications.

945 EUROPLAN SOLID

PROCESSING

Storage	Store cool and dry.
Tools	Trowel.
Mixing ratio	Add 23 kg of 945 Europlan Solid to 5-7 litres of water.
Processing time	Use within 10 minutes after mixing. *
Waiting time	None.
Drying	24 hours.*
Shelf Life	9 months, in unopened packaging.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 945 Europlan Solid can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Prime smooth and impervious subfloors such as tile floors, granito, terrazzo, asphalt floors and bituminous substrates as well as old and sandpapered (water-resistant) adhesive residues with 044 Europrimer Multi with a foam roller.
- Prime porous cement screeds with 044 Europrimer Multi or 049 Europrimer ABS.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add 23 kg of 945 Europlan Solid to 5-7 litres (depending on application) of cool and clean tap water.
- Stir the mortar thoroughly, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Apply the mortar within 10 minutes on the floor with a trowel.
- Protect fresh repair spots against draft and direct sunlight.
- After 30 - 45 minutes finish with a trowel until a smooth surface is accomplished.
- When a layer thickness > 50 mm is required mix 945 Europlan Solid 1:3 with 846 Quartsand (Max. 7 kg 846 Quartsand on 23 kg 945 Europlan Solid).
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%.

Underfloor heating systems:

945 Europlan Solid can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	ZP1
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

945 EUROPLAN SOLID

Article	Definition	Packaging	EAN-code
945	Europlan Solid	23 kg bag	8 710345 945110

945 EUROPLAN SOLID

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Eurocol is part of the Forbo Group



eurocol 946

the strong connection



EUROPLAN HYBRID REPAIR

Fast-drying, stable and polishable repair mortar based on hybrid technology. Very suitable for filling deep grooves. For leveling and repairing both cement and gypsum-based floor surfaces indoors. Filling holes, grooves and irregularities in both cement and gypsum-based floors and walls and other stony surfaces. Fast-hardening, fast-drying, so that the surface can be quickly finished with, for example, a levelling compound, floor covering or ceramic tiles. Not suitable for wet areas and/or outdoor use. Suitable in wet areas if the surface is finished in accordance with the guidelines of the Eurocol Waterproof Tiling System.

PRODUCT TYPING

Base	Calcium sulphate hemihydrate, special additives and a high content of plastic binders.
Color	Taupe.
Consistency	Powder.

- Very low emissions
- Emicode EC 1PLUS
- Dust-free
- Fast-curing (meaning that the surface can be finished quickly)
- Spreadable to virtually 0 mm
- Maximum layer thickness 50 mm
- Stable
- Very high compressive strength
- Very smooth finishing
- Chromate-free

PROPERTIES

Bending Strength	According to NEN-EN 13892-2: 2002 after 28 days $\geq 11 \text{ N/mm}^2$.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2:2002 after 28 days $\geq 38 \text{ N/mm}^2$.
Consumption	Approx. 1.5 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	After approx. 40 minutes at $18^\circ - 20^\circ\text{C}$.*

APPLICATION

- Ideally suitable for filling deep grooves.

946 EUROPLAN HYBRID REPAIR

- For smoothing and repairing both cement-based and gypsum-based indoor floor surfaces.
- For filling holes, grooves and irregularities in both cement-based and gypsum-based floors and walls and other stony surfaces.
- Fast-curing and quick-drying, so that the surface can be finished quickly with a levelling compound, floor covering or ceramic tiling, for example.
- Not suitable for wet areas and/or outdoor applications.
- Suitable for wet areas if the surface is finished in accordance with the guidelines of the Eurocol watertight tiling system.

PROCESSING

Storage	Store in a cool and dry place.
Tools	Smoothing trowel, putty knife or floating rule.
Mixing ratio	23 kg 946 Europlan Hybrid Repair to 5.5 litres of water.
Processing time	Within 10 -15 minutes after mixing.* and levellability after approx. 60 minutes at 18° - 20°C.*
Waiting time	None.
Drying	Minimum 6 hours.*
Shelf Life	12 months in unopened packaging.
Remarks	<p>Technical information and safety data sheets of other laying materials and floorings/parquet must be observed!</p> <p>Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm. When used under parquet, a minimum layer thickness of 3 mm must be observed.</p> <p>In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application.</p> <p>After application of levelling compound.</p> <ul style="list-style-type: none"> • Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost. • To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. <p>Not suitable on floating dry screed elements or floating wood-based panels. The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site.</p> <p>Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material.</p> <p>**) Observe the corresponding notes on dust reduction on the packaging. EMICODE, for more information visit www.emicode.com.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

(floor and wall)

- 946 Europlan Hybrid Repair can be applied to any rigid, pressure-resistant and tear-resistant cement-based or gypsum-based surfaces as well as to other stony surfaces. The substrate must also be clean, permanently dry and free from grease and dirt, in accordance with the requirements of DIN 18365.
- Make the floor thoroughly dust-free after sanding with an industrial vacuum cleaner. Then prime cement-based floors with 044 Europrimer Multi and apply 043 Europrimer Alphy to gypsum-based floors and allow to dry sufficiently. In both cases, apply the primer using a fur roller.

946 EUROPLAN HYBRID REPAIR

- Prime smooth and closed subfloors, such as tile floors, granito, terrazzo, asphalt floors, bituminous substrates and sanded, old (waterproof) adhesive residues with 044 Europrimer Multi using a foam roller.
- When filling holes, grooves and irregularities in cement-based floors and walls, thoroughly dust them first, then prime with 044 Europrimer Multi and apply 043 Europrimer Alphy to gypsum-based floors and walls and allow to dry sufficiently.
- Always consult our technical product information sheets beforehand. In case of doubt about the correct application to use, please contact our Technical Advice department.

Instruction manual:

- Add 23 kg of 946 Europlan Hybrid Repair to 5.5 litres of cold and clean tap water.
- Mix the mortar mechanically with the Eurocol 855 Mixer into a smooth and lump-free mass.
- Apply the mortar within 10-15 minutes using a smoothing trowel.
- Protect the newly repaired parts against draughts and direct sunlight.
- After around 60 minutes, the repaired areas can be primed and finished with a levelling compound, for example.
- If desired, 946 Europlan Hybrid Repair can be cut at a 1:3 ratio with 846 Quartsand when applied in a layer thickness greater than 50 mm (max. 7 kg 846 Quartsand to 23 kg 946 Europlan Hybrid Repair).
- For detailed information on safety measures, please refer to the safety data sheet.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%.

Underfloor heating systems:

946 Europlan Hybrid Repair can be applied to underfloor heating constructions. The start-up protocol of the underfloor heating must be fully executed in advance in accordance with the supplier's guidelines. Switch off the heating one day before starting the work, then switch the heating on again at least 24 hours after levelling the subfloor, in steps of a maximum of 5 °C water temperature per day. Ensure that the floor temperature does not exceed 29 °C.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE CP3 - repair mortar based on calcium sulphate and cement, calcium oxide content > 3%.

MSDS For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code
946	Europlan Hybrid Repair	23 kg bag	8 710345 946001

BG150946, Version 02, Stand 2023-07-20, ersetzt Ausgabe vom 2022-12-12

946 EUROPLAN HYBRID REPAIR

CARPET AND NEEDLEFELT **ADHESIVE**

eurocol

501

the strong connection



EUROSTAR TEX PRO

Carpet adhesive

PRODUCT TYPING

Base	Acrylic dispersion.
Consistency	Thick liquid.

- Wet-set adhesive for bonding of carpet floorings with different backing types and light needle felt floorings.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- Suitable over underfloor heating systems.
- Castor wheel resistant according to DIN EN 12529.
- Shampoo resistant according to RAL 991 A2.
- For indoor use only.
- Very low VOC emission EMICODE EC 1 Plus.
- Emission-tested construction product according to DIBt principles.

PROPERTIES

Consumption	Approx ca. 450 g/m ² .
Flammability	Non-flammable.
Frost resistance	No.
Specific weight	1.46 kg/l

APPLICATION

For bonding of:

- textile coverings with synthetic secondary backing,
- CV floorings with carrier fleece,
- light needle fleece.

PROCESSING

Storage	Store cool and free from frost.
Curing	24 hours.*
Open time	5 - 20 minutes.*
Waiting time	None.
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.

501 EUROSTAR TEX PRO

Remarks

Please pay attention to the technical data sheet and safety data sheet issued by the floor covering manufacturer.
Outside Germany relevant national regulations are to be applied which have to be known by the user.

During the setting time, avoid direct loads of sunshine and heat.
Allow the floor covering to be acclimatized before laying. The laying materials must be relaxed and plane.
In case of installing filler-free, vapour-permeable floor coverings please assure an airing time of approx. 15 minutes. Never install the floor covering into the wet adhesive as the moisture of the adhesive negatively influences the backing of the floor covering!
In case of installing very rigid textile or needle felt floor coverings we recommend running self-made tests or use Eurocol 609 Eurostar Tex.

EMICODE, further information at www.emicode.com.

Wear protective gloves / eye protection.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

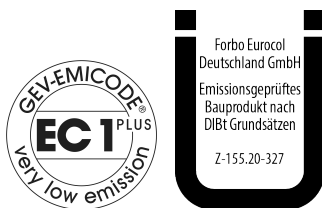
Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, stove bars, seams or other hollow areas again approx. 15 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommendet <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4

501 EUROSTAR TEX PRO

Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Productname	Packaging	Shipping unit
501	Eurostar Tex Pro	PE bucket à 14 kg	44/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132809, Version 05, Stand 2020-08-28, ersetzt Ausgabe vom 2018-09-26.

501 EUROSTAR TEX PRO

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eurocol 609

the strong connection



EUROSTAR TEX

Fast-setting adhesive with high initial tack for gluing carpet (including with natural jute and synthetic fabric backing) and needle felt on absorbent and poorly absorbent subfloors such as old, waterproof adhesive residues, epoxy floors, coated floors, monolithic floors, existing hard floor coverings (renovation projects) but also on levelled floors. High setting speed. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	Beige.
Consistency	Thick liquid.

- Very low emission
- Emicode EC 1PLUS
- Easy and safe to apply
- Non-flammable
- High initial adhesion strength
- Favourable spreading capacity
- Fast bonding
- Roller-castor-chair resistant according to DIN EN 12529
- The product can be used on underfloor heating.
- Shampoo resistant according to RAL 991 A2.
- For indoor use.
- Declared by baubook, "ecological building product"

PROPERTIES

Consumption	300 - 500 g/m ² , depending on the back quality and the subfloor.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.53 kg/l.

APPLICATION

For installing fillerfree carpet polyolefin backed carpet hessian-backed carpet synthetic backed carpet needlefelt. on absorbent subfloors:

- screwed wood-based panels (V100 P4 - P7, OSB 2 -4)
- sand cement screed
- anhydrite floors.

PROCESSING

Storage	Store cool and free from frost.
Tools	Eurocol spreader no. 850/B1. In case of strong structured back qualities and/or adhesive residues use a large size spreader (spreader B2 or B3).
Curing	24 hours.*
Open time	10-30 minutes.*
Waiting time	None.
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.
Remarks	Please pay attention to the technical data sheet and safety data sheet issued by the floor covering manufacturer. Outside Germany relevant national regulations are to be applied which have to be known by the user. During the setting time, avoid direct loads of sunshine and heat.

609 EUROSTAR TEX

Allow the floor covering to be acclimatized before laying. The laying materials must be relaxed and plane. In case of installing filler-free, vapour-permeable floor coverings please assure an airing time of approx. 15 minutes. Never install the floor covering into the wet adhesive as the moisture of the adhesive negatively influences the backing of the floor covering! In case of installing very rigid textile or needle felt floor coverings we recommend running self-made tests or use Eurocol 609 Eurostar Tex.

EMICODE, further information at www.emicode.com.

Wear protective gloves / eye protection.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 609 Eurostar Tex is suitable for any type of subfloor and on old, sandpapered adhesive residues, that has a good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Only use pervious floor coverings on impervious subfloors.
- When installing fillerfree carpet and polyolefin backed carpet on impervious subfloors apply a 2 mm levelling compound layer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Old adhesive residues should be water-resistant and sandpapered beforehand.
- Thereafter make the subfloor dust-free with an industrial vacuum cleaner.
- Apply the adhesive with a regular notched adhesive spreader (Eurocol spreader no. 850/B1). In case of strong structured back qualities and/or adhesive residues use a large size spreader (spreader B2 or B3).
- On absorbent subfloors apply the floor covering directly into the wet adhesive. On low absorbent subfloors keep a waiting time of 10 - 30 minutes (depending on porosity subfloor, temperature and relative humidity).
- Roll the floor covering carefully. Sheet-ends and longitudinal joints are to be pressed firmly.
- On low absorbent subfloors, in case of impervious back qualities and/or when circumstances are less ideal, rolling and pressing should be repeated after approx. 15 minutes (depending on temperature and relative humidity).
- Remove fresh adhesive spots immediately with water.

Further information:

- Keep out of reach of children.
- Keep area thoroughly ventilated during and after processing and drying.
- When processing do not eat, drink or smoke.
- In case of contact with eyes or skin, rinse immediately with plenty of water.
- Do not empty into drains, surface water or onto soil.
- Only hand in packaging without rest material for recycling purposes. Dried rest material can be disposed of as domestic waste.
- Contains methylchlorisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone . May produce an allergic reaction.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Underfloor heating systems:

609 Eurostar Tex can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce anallergic reaction.

ITEM DATA

Article	Definition	Packaging	Shipping unit	EAN-code
609	Eurostar Tex	14 kg bucket	44 buckets/pallet	8 710345 609708

609 EUROSTARTEX

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Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132863, Version 08, Stand 2020-04-15, ersetzt Ausgabe vom 2017-01-03.

609 EUROSTARTEX

ADHESIVES FOR **LINOLEUM**

eurocol

414

the strong connection



EUROFLEX LINO PLUS

Linoleum adhesive with a high initial grab.

PRODUCT TYPING

Base	Synthetic resin dispersion.
Color	Beige.
Consistency	Thick liquid.

- Non-flammable
- Easy and safe to apply
- High initial adhesion strength
- Favourable spreading capacity
- Roller-castor-chair resistant

PROPERTIES

Consumption	400 - 450 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.30 kg/l.

APPLICATION

For installing:

- linoleum in sheets and tiles
- colovinyl
- linoleum in decorative designs and mosaic.

PROCESSING

Storage	Store cool and free from frost.
Tools	Eurocol spreader no. 850/B1.
Curing	24 hours.*
Open time	15 - 20 minutes.*
Waiting time	None.
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer

414 EUROFLEX LINO PLUS

thicknesses, are only guideline values.

Substrate:

- 414 Euroflex Lino Plus is suitable for any type of subfloor that has a good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply the adhesive with a regular notched adhesive spreader (Eurocol spreader no. 850/B1).
- On absorbent subfloors apply the floor covering directly into the wet adhesive. On low absorbent subfloors keep a waiting time of approx. 10 minutes.
- Roll the floor covering carefully. Sheet-ends, possible bight marks and longitudinal joints are to be pressed firmly.
- On low absorbent subfloors, rolling and pressing should be repeated after approx. 15 minutes (depending on temperature, relative humidity and subfloor).
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Underfloor heating systems:

414 Euroflex Lino Plus can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after installation, in steps of 5 °C per day.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone. May produce an allergic reaction.

ENVIRONMENT AND HEALTH

Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
414	Eurosafe Lino Plus	14 kg Bucket	8 710345 414302

414 EUROFLEX LINO PLUS

eurocol

418

the strong connection

EUROFLEX LINO POLARIS

Linoleum adhesive and frost resistant.

PRODUCT TYPING

Base	Acrylic dispersion.
Consistency	Thick liquid.

- Frost resistant (for wintertime shipments), wet-set adhesive for bonding of linoleum in sheets and corkment underlay.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- Suitable over underfloor heating systems.
- Castor wheel resistant according to DIN EN 12529.
- For indoor use only.

PROPERTIES

Consumption	400 - 450 g/m ² .
Flammability	Non-flammable.
Frost resistance	Yes.
Special quality	Frost resistant
Specific weight	1.40 kg/l

APPLICATION

Adhesive for bonding of linoleum in sheets and corkment underlay.

PROCESSING

Storage	Store cool and best free from frost. Frost resistant.
Tools	Spreader B1 (TKB). Type of spreader depends on the floor covering.
Curing	Approx 24 hours. *
Open time	15 - 20 minutes.*
Waiting time	Approx 5 minutes. *
Shelf Life	Approx 12 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>The tendency of linoleum to shrink in length and expand in width as a result of moisture absorption from the air or from the subfloor as well as the absorption of water from the adhesive must be taken into account when cutting the seams.</p> <p>Should the adhesive freeze in the cold season, it can be thawed slowly. The process takes several hours until the adhesive can be stirred well. Depending on the frost effect also days. The viscosity may increase slightly.</p>

418 EUROFLEX LINO POLARIS

First use if completely and easily stirred.

Floor coverings need to be acclimatized in the room in a flat position before installing, otherwise no proper installation can be guaranteed.

Welding the seams should be done once the adhesive has been dry but not sooner than 48 - 72 h after the installation.

Contains flammable solvent. Therefore please assure sufficient air ventilation during installation, especially in rooms with open heat sources, in these type of rooms Eurocol recommends EMICODE EC1 products. Local relevant norms and regulations have to be respected. Outside Germany relevant national regulations are to be applied which have to be known by the user.

Wear protective gloves / eye protection.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- In the case of stove bars, the adhesive must be applied to the back of the covering with a smooth spatula (contact bonding) before the covering is placed in the adhesive bed.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, stove bars, seams or other hollow areas again approx. 15 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-65% relative humidity.

QUALITY AND GUARANTEE

 Made in Germany



ENVIRONMENT AND HEALTH

GISCODE	D2
LEED	VOC 54,6 g/l
DGNB	VOC 4,2 %
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

418 EUROFLEX LINO POLARIS

ITEM DATA

Article	Productname	Packaging	Shipping unit
418	Euroflex Lino Polaris	PE bucket à 14 kg	44/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132858, Version 07, Stand 2020-09-09, ersetzt Ausgabe vom 2020-03-10.

418 EUROFLEX LINO POLARIS

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Eurocol is part of the Forbo Group



eurocol

514

the strong connection



EUROSAFE LINO

Fast-setting adhesive with high initial tack for bonding linoleum in sheets, tiles, strips, strips, decorative designs and mosaics on a levelled substrate. Also suitable for bonding Corkment. Good moisture resistance. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Synthetic resin dispersion.
Color	Beige.
Consistency	Thick liquid.

- Non-flammable
- Good moisture resistance
- High initial adhesion strength
- Favourable spreading capacity
- Roller-castor-chair resistant
- Very low emission
- EMICODE EC 1PLUS
- Emission-tested construction product according to DIBt principles.
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Consumption	400 - 450 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.45 kg/l.

APPLICATION

For installing:

- linoleum in sheets
- corkment.

PROCESSING

Storage	Store cool and free from frost.
Tools	Eurocol spreader no. 850/B1 (TKB).
Curing	Approx. 24 hours.*

514 EUROSAFE LINO

Open time	15 - 20 minutes.*
Waiting time	None.
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Please pay attention to the technical data sheet issued by the floor covering manufacturer. Relevant norms and regulations of the branch are to be respected.</p> <p>Outside Germany relevant national regulations are to be applied which must be known by the user. Allow the floor covering to be acclimatized before laying. The laying materials must be relaxed and plane. Welding the seams should be done once the adhesive has been dry but not sooner than 48 - 72 h after the installation.</p> <p>For inlaid work and linoleum in tiles we recommend using Eurocol 611 Eurostar Linoleum Plus.</p> <p>EMICODE, more informations under www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 514 Eurosafe Lino is suitable for any type of subfloor that has a good tensile and compression strength.
- The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- When installing on impervious subfloors apply a 2 mm levelling compound layer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply the adhesive with a regular notched adhesive spreader (Eurocol spreader no. 850/B1) (when installing Colovynil use adhesive spreader no. 852/A2).
- On absorbent subfloors apply the floor covering directly into the wet adhesive. On low absorbent subfloors keep a waiting time of approx. 10 minutes.
- Roll the floor covering carefully; first widthwise, then lengthwise.
- Do not double-stick bight marks. Lay bight marks into the wet adhesive as usual.
- Sheet-ends, bight marks and longitudinal joints are to be pressed firmly.
- On low absorbent subfloors and/or when circumstances are less ideal, rolling and pressing should be repeated after approx. 15 minutes.
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23 °C.
Temperature for material and subfloor : min. 15° - max. 20 °C.
Relative humidity : 40 - 80%.

Further information:

- Keep out of reach of children.
- Keep area thoroughly ventilated during and after processing and drying.
- When processing do not eat, drink or smoke.
- In case of contact with eyes or skin, rinse immediately with plenty of water.
- Do not empty into drains, surface water or onto soil.
- Only hand in packaging without rest material for recycling purposes. Dried rest material can be disposed of as domestic waste..
- Product residues and cleaning water drains according to local applicable environmental rules and do not drain in the sewer.
- Avoid contact with eyes and skin and use proper protecting equipment (see our safety sheet).

Underfloor heating systems:

514 Eurosafe Lino can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 Underfloor heating systems:hours before application. Do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

Contains methylchlorisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone. May produce an allergic reaction.

QUALITY AND GUARANTEE

514 EUROSAFE LINO



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article Definition Packaging EAN-code

514 Eurosafe Lino 14 kg Bucket 8 710345 514101

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132863, Version 01, Stand 2021-03-18

514 EUROSAFE LINO

eurocol

520

the strong connection

LINOLEUM DOCTOR

Renovation adhesive to repair hollow areas under linoleum, pressure sensitive and hardens fast after rubbing down the injected adhesive under the floor covering.



PRODUCT TYPING

Base	Latex-dispersion.
Consistency	Thin liquid.

- Pressure sensitive renovation adhesive to repair hollow areas under linoleum.
- Hardens fast after rubbing down the injected adhesive under the floor covering.
- Suitable over underfloor heating systems.
- Castor wheel resistant according to DIN EN 12529.
- For indoor use only.

PROPERTIES

Consumption	Is based on the damage area.
Flammability	Non-flammable.
Frost resistance	No.
Special quality	Tool kit included.
Specific weight	0.9 kg/l

APPLICATION

To repair hollow areas under linoleum.

PROCESSING

Storage	Store cool and free from frost.
Tools	Tool kit included.
Curing	Approx 24 hours.*
Open time	20 minutes.*
Waiting time	None.
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	Please pay attention to the technical datasheet and technical datasheet issued by the floor covering. When using brushed, only use of latex brushes is recommended. Brushing with conventional brushed leads to coagulations of the adhesive which becomes then useless. After the repair, it is advisable to clean the floor. Eurocol recommends 898 Euroclean Longlife. Wear protective gloves / eye protection.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer

520 LINO DOCTOR

thicknesses, are only guideline values.

Substrate:

- One of the materials to be bonded must be water absorbent.
- Only hollow areas that have not been created by the effects of moisture from the substrate can be renovated.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Shake before use!
- Drill hollow areas with a 4 mm drill bit. Draw the repair adhesive into the syringe supplied and inject it under the hollow area.
- Immediately spread the adhesive from the centre outwards with a hammer and rub from the outside inwards.
- If any adhesive leaks out, immediately absorb it with a damp cloth and clean the area with clear water.
- The adhesive immediately builds up strength so that reworking is generally not necessary.
The drill hole can be sealed "invisibly" with a fusible wire.

Processing conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

ENVIRONMENT AND HEALTH

Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains natural latex. May produce an allergic reaction.

ITEM DATA

Article	Productname	Packaging	Shipping unit
520	Linoleum Doctor - Set	plastic bottle à 0,5 kg, 2 syringes per box	264/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG173150, Version V03, Stand 2016-12-06, ersetzt Ausgabe vom 2009-04-29

520 LINO DOCTOR

eurocol

611

the strong connection



EUROSTAR LINO PLUS

Fast-setting adhesive with high initial tack for bonding linoleum in sheets, tiles, strips, strips, decorative designs and mosaics on a levelled substrate. Also suitable for bonding Corkment. Due to the use of lightweight fillers a very favourable consumption and easy to spread. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	Beige/White.
Consistency	Thick liquid.

- High quality, strong, resin-free, Linoleum dispersion-based adhesive
- Very low emission
- Emicode EC 1PLUS
- Non-flammable
- Favourable spreading capacity
- With high initial bonding strength and enhanced open time
- Wet-set adhesive with very fast setting and high adhesion power
- Up to 25 % lower adhesive consumption than market standard products
- Linoleum adhesive, which is characterised by extremely low consumption and therefore leads to a fast re-drying of the installed floor
- The product can be used on underfloor heating
- Suitable for use with chair castors
- Declared by baubook, "ecological building product"
- EPD - Environmental Product Declaration declared by [IBU](#)
- Blue Angel UZ113.

PROPERTIES

Consumption	280-385 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Special quality	25% lower consumption. Special for inlaid work and linoleum in tiles.
Specific weight	1.16 kg/l.

611 EUROSTAR LINO PLUS

APPLICATION

For installation of

- linoleum in sheets and tiles,
- corkment,
- cork, sisal, needle felt and textile floor coverings with different backings, woven carpets,
- vinyl composite floor coverings.

PROCESSING

Storage	Store cool and free from frost.
Tools	Eurocol spreader no. 850/B1.
Curing	24 hours.*
Open time	15-30 minutes.*
Processing time	20 minutes.*
Waiting time	None.
Shelf Life	12-15 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>Please pay attention to the technical data sheet issued by the floor covering manufacturer. Relevant norms and regulations of the branch are to be respected. Outside Germany relevant national regulations are to be applied which must be known by the user. Allow the floor covering to be acclimatized before laying. The laying materials must be relaxed and plane. Welding the seams should be done once the adhesive has been dry but not sooner than 48 - 72 h after the installation.</p> <p>EMICODE, more informations under www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 611 Eurostar Lino Plus is suitable for any type of subfloor. The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, according to the requirements of BS 8203 or DIN 18 365. Even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures.
- When installing on impervious subfloors apply a 2 mm levelling compound layer. For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Apply the adhesive with a regular B1 notched adhesive spreader.
- On absorbent subfloors apply the floor covering directly into the wet adhesive. On low absorbent subfloors keep a waiting time of approx. 10 minutes.
- Roll the floor covering carefully; first widthwise, then lengthwise.
- Do not double-stick bight marks. Lay bight marks into the wet adhesive as usual.
- Sheet-ends, bight marks and longitudinal joints are to be pressed firmly.
- On low absorbent subfloors and/or when circumstances are less ideal, rolling and pressing should be repeated after approx. 15 minutes.
- Remove fresh adhesive spots immediately with water.
- Clean tools with water immediately after use.

Working conditions:

Required surrounding temperature : 18 - 23 °C.
Temperature for material and subfloor : min. 15° - max. 20 °C.
Relative humidity : 35 - 75%.

Further information:

611 EUROSTAR LINO PLUS

- Keep out of reach of children.
- Keep area thoroughly ventilated during and after processing and drying.
- When processing do not eat, drink or smoke.
- In case of contact with eyes or skin, rinse immediately with plenty of water.
- Do not empty into drains, surface water or onto soil.
- Only hand in packaging without rest material for recycling purposes. Dried rest material can be disposed of as domestic waste.

Composition: Acrylic acid copolymers, acrylate dispersion, styrene-butadiene copolymer, thickening, wetting and defoaming agents, mineral filler, water.

Underfloor heating systems:

611 Eurostar Lino Plus can be applied on underfloor heating systems. The start protocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	Shipping unit	EAN-code
611	Eurostar Lino Plus	11 kg bucket	44 buckets/pallet	8 710345 611206

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132567, Version 17, Stand 2023-08-30, ersetzt Ausgabe vom 2022-08-26

611 EUROSTAR LINO PLUS

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Eurocol is part of the Forbo Group



eurocol 616

the strong connection



EUROSTAR LINO GREEN

Very low-emission and fast-adhesive biobased adhesive with high initial tack for bonding linoleum in sheets, tiles, strips, strips, decorative designs and mosaics on a leveled surface. Also suitable for bonding Corkment. The use of lightweight fillers ensures very favorable consumption and is easy to spread. Thanks to EMICODE EC 1PLUS (very low emissions) also suitable for BREEAM projects. Less harmful to the environment through the use of renewable raw materials and fewer CO₂ emissions.

PRODUCT TYPING

Base	Basis Bio-based polymer dispersion using raw materials that comply with the Biomass-Balance Approach.
Color	Beige.
Consistency	Paste.

- Partly plant-based raw materials
- Very low emissions (EC1 plus-certified)
- Reduced environmental impact (renewable raw materials and lower CO₂ emissions)
- Non-flammable
- Worker-friendly
- Very easy to apply
- Very economical consumption
- High initial adhesion strength
- Office chair-safe

PROPERTIES

Classification	GEV-EMICODE EC 1PLUS (very low emissions) tested in accordance with EN 13999-2/4. Suitable for BREEAM projects.
Consumption	300-400 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.28 kg/l.

APPLICATION

For installation of

- linoleum in sheets and tiles
- linoleum in decorative designs and mosaics
- Corkment

616 EUROSTAR LINO GREEN

PROCESSING

Storage	Cool and dry, well sealed at normal temperature (5° - 30 °C).
Tools	Eurocol trowel no. 850/toothing B1.
Curing	Approx. 24 hours.*
Open time	15-30 minutes.*
Waiting time	None.*
Shelf Life	12 months, in unopened packaging.
Remarks	<p>Please pay attention to the technical data sheet issued by the floor covering manufacturer. Relevant norms and regulations of the branch are to be respected. Outside Germany relevant national regulations are to be applied which must be known by the user. Allow the floor covering to be acclimatized before laying. The laying materials must be relaxed and plane. Welding the seams should be done once the adhesive has been dry but not sooner than 48 - 72 h after the installation.</p> <p>EMICODE, more informations under www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 616 Eurostar Lino Green is suitable for all types of subfloor that are pressure-resistant and tear-resistant. The underfloor must also be flat, clean, permanently dry and free from grease and dirt, in accordance with the requirements of DIN 18 365.
- On completely closed subfloors, apply a levelling layer of at least 2 mm in advance.
- Always consult our technical product information sheets beforehand. In case of doubt about the applications of the product, please contact our Technical Help Desk.

Instruction manual:

- Apply the adhesive with a Eurocol trowel no. 850/toothing B1.
- On absorbent subfloors, place the floor covering directly into the wet adhesive bed. On poorly absorbent subfloors, observe a waiting time of approx. 10 minutes.
- Roll the floor covering carefully, first in the direction of its width and then in the direction of its length.
- Do not grease drying walls on both sides, but place them in the normal adhesive bed (preferably by massaging against the drying wall).
- Press down the front sides, drying walls and longitudinal seams firmly.
- For less absorbent subfloors and/or less ideal conditions, roll and press down again after approx. 15 minutes.
- Remove fresh adhesive spots directly with water.
- Clean tools with water immediately after use.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Underfloor heating:

616 Eurostar Lino Green can be applied to underfloor heating. The underfloor heating startup protocol must be fully implemented in advance according to the supplier's guidelines. Switch off the heating or switch low one day before application. Switch the heating back on again at least 24 hours after application, in steps of a maximum of 5°C water temperature per day. Ensure that the floor temperature does not exceed 29°C. Make sure that the floor temperature does not exceed 29 °C.

Further information:

- Keep out of reach of children.
- Ventilate the room thoroughly during and after the processing and drying process.
- Do not eat, drink or smoke while processing this product.
- Avoid contact with eyes and skin and use suitable protective equipment.
- In the event of contact with eyes or skin, flush with plenty of water immediately.
- Dispose of product residues and cleaning water in accordance with local environmental regulations and do not dispose of them in the sewer.
- Only return packaging for recycling after removing any residues. Dried material residues can be disposed of in household waste.
- For detailed information about safety measures, please refer to the safety data sheet on our website www.eurocol.nl.
- The product contains 1,2-benzisothiazol-3(2H)-one, a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May cause an allergic reaction.

616 EUROSTAR LINO GREEN

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
616	Eurostar Lino Green	11 kg bucket	8 710345 616003

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

V01_Stand 2023-05-23

616 EUROSTAR LINO GREEN

eurocol 646

the strong connection



EUROSTAR PREMIUM

Very low-emission and moisture-resistant floor covering adhesive especially for bonding according to the so-called 'wet-set' method of Natural Linoleum Tiles (e.g. Marmoleum Modular). Also ideally suited for bonding homogeneous and heterogeneous PVC and cushion vinyl tiles and slats, rubber floor covering in strips and tiles. Due to the hard adhesive film ideal for covering with moderate dimensional stability, which prevents seam formation. Preferably bond the covering in a wet adhesive bed, but semi-wet bonding is also possible. This adhesive is very easy to spread, has a long open time and a very high final adhesive strength. Resistant to moisture when cleaning the floor covering. Because the adhesive is IMO-certified, it can also be used on ships. Depending on the type of floor covering, choose the right adhesive comb for applying the adhesive. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects. Suitable for indoor use.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	Beige.
Consistency	Thick liquid.

- Very low emission
- Emicode EC 1PLUS
- IMO certificated
- Wet-set adhesive
- Non-flammable
- Easy to apply
- Short waiting time
- Very long open time
- Good final bond strength
- Moisture resistant
- Good resistance against floor covering cleaning water
- Odour neutral
- Roller-castor-chair resistant

PROPERTIES

Consumption	250 - 350 g/m ²
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.25 kg/l.

646 EUROSTAR PREMIUM

APPLICATION

For installing:

- Natural Linoleum Tiles (e.g. Marmoleum Modular).
- PVC strips and tiles (including material which has less dimensional stability but still complies with the EN 434 standard).
- Carpet tiles with a PVC backing.
- Rubber tiles.

PROCESSING

Storage	Store cool and free from frost.
Tools	Pajarito spreader TKB-A tooth blade A3 for Marmoleum Modular. Pajarito Fein with tooth blade 61 for PVC strips/tiles and rubber tiles.
Curing	48 hours.*
Open time	Approx. 85 minutes.*
Waiting time	5-10 minutes.*
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 646 Eurostar Premium is suitable for any type of subfloor that has a good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- When installing on impervious subfloors apply a 2 mm levelling compound layer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Allow the materials to acclimatise for at least 24 hours before use or according to the manufacturer's instructions.
- Apply the adhesive with a fine-toothed spatula for adhesives (Pajarito TKB-A/tooth blade A3 for Marmoleum Modular or Pajarito Fein tooth blade 61 for PVC strips/tiles and rubber tiles). The use of the correct toothed spatula is extremely important to obtain a sealed adhesive bed, preventing moisture from cleaning water penetration through the seams of the tiles.
- After applying the adhesive, wait for approx. 5 to 10 minutes, depending on the climatological circumstances. A general indication of proper open time is when a light touch produces little transfer of adhesive to the finger, but a firm touch will flatten and "smear" the adhesive.
- If drying takes too long, due to unfavourable climatological circumstances, adhesive strips can be flattened with a saturated woollen roller. Tiles and strips can be placed thereafter immediately into the wet adhesive, preventing floating of the tiles. Alternatively, the first placed tiles can be linked together with painters tape right-angled applied to the seams.
- Always place the floor covering into the wet adhesive. Check the condition of the adhesive regularly.
- Remove dried adhesive strips (because of exceeding of open time) directly with a putty knife before applying new adhesive.
- Use a damp cloth for removing adhesive that potentially comes through the seams.
- Roll the floor covering thoroughly and continuously during the first 30 – 45 minutes after applying with a 60 kg roller. Press cross-cuts and longitudinal seams down firmly.
- Remove fresh adhesive spots immediately with water.
- Clean tools with water immediately after use.

Working conditions:

Required surrounding temperature : 18 - 23 °C.
Temperature for material and subfloor : min. 15° - max. 20 °C.
Relative humidity : 40 - 70%.

Further information:

- Keep out of reach of children.
- Keep area thoroughly ventilated during and after processing and drying.
- When processing do not eat, drink or smoke.
- In case of contact with eyes or skin, rinse immediately with plenty of water.
- Product residues and cleaning water drains according to local applicable environmental rules and do not drain in the sewer.
- Only hand in packaging without rest material for recycling purposes. Dried rest material can be disposed of as domestic waste.
- The product contains: CMIT/MIT in a 3:1 ratio and BIT.

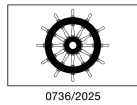
Composition: Acrylic acid copolymers, acrylate dispersion, styrene-butadiene copolymer, thickening, wetting and anti-foaming agents, mineral filler, water.

646 EUROSTAR PREMIUM

Underfloor heating systems:

646 Eurostar Premium can be applied on underfloor heating systems. The start protocol of the under floor heating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Turn off the heater 72 hours before application. Do not heat again until at least 48 hours after installation, in steps of maximum 5 °C water temperature per day. Floor temperature should not exceed 29 °C.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
646	Eurostar Premium	12 kg bucket	8 710345 646109

646 EUROSTAR PREMIUM

eurocol 678

the strong connection



EUROSTAR PROJECT

Universal adhesive, wet-set bonding adhesive with extended installation time for PVC, vinyl, textile floor coverings and Linoleum. Achieves high final strengths. Consumption-optimised. Frost-resistant during transport.

PRODUCT TYPING

Base	Acrylic dispersion with mineral fillers, resins and additives.
Color	Beige.
Consistency	Thick liquid.

- High-quality, dispersion-based, wet-set adhesive with very good initial adhesion power.
- For installation of vinyl design floor coverings, LVTs, homogeneous and heterogeneous vinyl and CV-floor coverings in sheets and tiles, Linoleum, textile floor coverings with different backings, standard needle felt floor coverings.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Shampoo resistant according to RAL 991 A2.
- For indoor use.
- Frost resistant during transport.
- Very low-emission installation material certified according to EMICODE EC 1 Plus. GISCOD D 1.
- Emission-tested building product according to DIBt principles.

PROPERTIES

Consumption	Approx 200 - 490 g/m ² , depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	Yes.
Special quality	Universally usable. Frost resistant during transport. Optimised consumption - up to 20% lower compared to market products.
Specific weight	1.2 kg/l

APPLICATION

For installation of

- vinyl design floor coverings, LVTs,
- homogeneous and heterogeneous vinyl-floor coverings in sheets and tiles,
- CV-floor coverings,
- textile floor coverings with different backings, standard needle felt floor coverings.

PROCESSING

Storage	Store cool and free from frost.
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678 EUROSTAR PROJECT

Tools	Spreader A1-A2, B1-B2 (TKB). Type of spreader depends on the floor covering.
Curing	Approx 48 hours. *
Open time	Approx 60 minutes *
Waiting time	Approx 30-40 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded. With regard to such markings any claims arising therefrom are excluded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, for more information: www.emicode.com</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), the type of floor covering, temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 30 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE

678 EUROSTAR PROJECT



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
678	Eurostar Project	PE bucket à 12 kg	44/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132895, Version 05, Stand 2022-10-27, ersetzt Ausgabe vom 2022-07-28

678 EUROSTAR PROJECT

ADHESIVES FOR **PVC / CUSHION VINYL / RUBBER**

eurocol 120

the strong connection



EUROFLEX MS

1-K SMP flooring adhesive,
for heavy duty floors, for areas with high thermal stress (conservatories). High moisture resistance
when moisture enters the joints. Can be used on walls.

PRODUCT TYPING

Base	Mineral fillers, modified silane prepolymer, additives, pigments, catalyst.
Color	Lightbeige.
Consistency	Pasty.

- Highly durable, fast curing, water- and solvent-free, 1-component SMP adhesive.
- For laying rubber floor coverings in tiles with rough backings, for suitable PVC - floor coverings (LVT, tiles and panels), for PUR based elastic floor covering in tiles.
- Bonding is carried out on standard-compliant, fully levelled substrates like absorbent and non-absorbent mineral-based subfloors, sanded mastic asphalt, wood composites, dry screeds which are permitted for floor covering installation.
- Special suitable for gluing to wall surfaces.
- Especially for installation areas with higher thermal stress (e.g. conservatories, floor-level window fronts).
- Can also be used in damp areas according to W0-I (DIN 18534) where waterproofing is not required. E.g. outside shower areas without floor drain, guest WCs. **
- Can be used on underfloor heating systems. For high step-sound improvement.
- For indoor use only.
- Contains no migratory components.
- Solvent-free according to TRGS 610 and very low emission laying material, EMICODE EC1 Plus.
- EPD - Environmental Product Declaration declared by [IBU](#).
- Emission-tested construction product according to DIBt principles.

PROPERTIES

Consumption	Approx 300 - 400 g/m ² , depending on the back of the floor covering and subfloor.
Flammability	Non-flammable.
Frost resistance	Yes.
Special quality	Also suitable for gluing to wall surfaces.
Specific weight	1.56 kg/l

APPLICATION

For the laying of:

- vinyl floor coverings in tile and strip format (LVT) (list of flooring manufacturers on request),
- rigid LVT,
- elastomer floor coverings in tile and sheet format,
- elastic floor coverings based on PUR in tile format.

PROCESSING

120 EUROFLEX MS

Storage	Store cool and dry in unopened packaging.
Tools	Adhesive spreader. The type of spreader depends material and subfloor. A1/A2 (TKB)
Curing	Approx 24 - 48 hours. *
Open time	Approx. 30 minutes.*
Waiting time	Approx 5-10 minutes. For dense substrates, follow the instructions in the "Instructions for use" section.
Shelf Life	Approx 12 months, in unopened packaging. After use close the open packaging well.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.
Remarks	<p>Technical information and safety data sheets of any installation materials and floor coverings used must be observed!</p> <p>To protect against humidity when removing parts of the adhesive, cover it with the enclosed foil immediately after finishing work and seal the container tightly.</p> <p>Rub off any dirt on the top of the floor covering with 815 Euroclean Handclean.</p> <p>Moisture penetration of the laying substrate due to water ingress from above must be prevented, although the adhesive itself is highly resistant to moisture.</p> <p>Ensure good ventilation after application and during curing.</p> <p>EMICODE, for further information see www.emicode.com.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- Among other things, the substrate must have sufficient strength, load-bearing capacity, dimensional stability, be permanently dry and free of cracks.
- ** In areas with water impact classes W1-I, W2-I, normative waterproofing must be carried out on site prior to installation (DIN 19534, ZDB Merkblatt Abdichtung im Verbund).
- Adhesion-reducing layers must be removed by suitable mechanical means.
In the event of defects, concerns must be reported in writing.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Sealing Compound Eurocol 913 Europlan Silicate.
- For levelling the substrate, recommended Eurocol levelling compounds/primers are to be used.
- The installation materials to be used must be suitable for the substrate and the intended use. Primers and levelling compounds are completely set.
- Fixed ceramic and natural stone tiles, concrete ashlar are to be cleaned professionally with Eurocol Basic Cleaner 891 Euroclean Basic and sanded matt after drying.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Remove any surface skin that may have formed in the bucket, do not stir in!
- Apply the adhesive evenly to the substrate with a toothed trowel adapted to the installation and the substrate roughness. If necessary, the toothed trowel can be adjusted accordingly in order to achieve sufficient grooved back wetting.
- On substrates where only very low moisture is to be expected, the floor covering should be laid towards the end of the open time so that the adhesive has as much moisture as possible from the room air available to react.
- Do not press any adhesive between the elements to prevent the adhesive from marking the joints. Immediately rub the laid floor covering with light pressure using a hand roller or cork rubbing board. Re-roll after approx. 1 hour.
- Walkability is delayed for up to two days on dense subfloors, and/or at low humidity levels and/or low temperatures, and/or high adhesive application.

The adhesive has excellent adhesion properties to most types of floor coverings. Due to the large number of manufacturers, adhesion tests must be carried out before application. Please note the positive list for approved floor coverings, which is currently available from our application technology.

Processing conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
50 - 75% relative humidity, recommended <65%.

Recommended primers:

Eurocol 048 Europrimer Plus	dust binding under adhesive and primer under levelling compounds.
Eurocol 015 Euroblock MS	can be used without sprinkling of quarzsand
Eurocol 042 Euroblock Turbo	can be used without sprinkling of quarzsand
Eurocol 021 Euroblock Reno LE	must be used with sprinkling of quarzsand
Eurocol 028 Euroblock Rapid	must be used with sprinkling of quarzsand

QUALITY AND GUARANTEE

120 EUROFLEX MS



ENVIRONMENT AND HEALTH

GISCODE	RS15
LEED	VOC 0,1 g/l, meets: IEQ Credit 4.1. Verification fulfilled by EMICODE.
DGNB	VOC 0 %, quality level: 4
Hazard Class	Product contains hazardous ingredients. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .

ITEM DATA

Article	Productname	Packaging	Shipping unit
120	Euroflex MS	PE bucket à 7 kg	78/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG146120, Version 09, Stand 2023-09-01, ersetzt Ausgabe vom 2023-05-22

120 EUROFLEX MS

eurocol 140

the strong connection



EUROMIX PU PRO

2-component PUR universal adhesive for bonding rubber tiles, homogeneous and heterogeneous PVC or recycled PVC covering in tiles or slats on various absorbent or non-absorbent substrates such as: wood, MDF and metal panels, gypsum fibre boards, cement and gypsum-based levelling compound, concrete and ceramic tiles. Resistant to heavy rolling traffic. Moisture and weather resistant. Very high final bond strength. Suitable for indoor and outdoor applications. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Polyurethane resin and isocyanat hardener.
Color	Component A: Dark Grey. Component B: brown.
Consistency	Pasty.

Highly durable, fast curing, water- and solvent-free, two-component PUR adhesive.

For laying rubber floor coverings in tiles with rough backings, PVC- and recycled PVC floor coverings (tiles and panels), metal, ceramic, wood.

Bonding is carried out on standard-compliant, fully levelled substrates like absorbent and non-absorbent mineral-based subfloors, sanded mastic asphalt, wood composites, dry screeds which are permitted for floor covering installation. Reactive primers must be sprinkled with quartz sand.

- Water-resistant
- Moisture-resistant and weatherproof
- Heavy duty resistant
- Non-flammable
- Extremely high final bond strength
- Temperature resistant from -40 °C to +150 °C

Can be used on underfloor heating systems.

For indoor use only.

Very low emission certified EMICODE EC 1 Plus.

Emission-tested construction product according to DIBt principles.

PROPERTIES

Consumption	550 - 650 g/m ² , depending on material and subfloor and floor covering.
Flammability	Non-flammable.
Frost resistance	Yes.
Special quality	Also suitable for gluing wood block RE/WE or end-grain wood parquet.
Specific weight	Comp. A 1.9 kg/l, Comp. B 1.24 kg/l.

140 EUROMIX PU PRO

APPLICATION

For the installation of:

- rubber floor covering
- vinyl floor covering
- concrete

PROCESSING

Storage	Store cool and dry in unopened packaging.
Tools	Adhesive spreader. The type of spreader depends material and subfloor.
Mixing ratio	100 parts by weight of component A 15 parts by weight of component B.
Curing	Approx. 8 -10 hours.*
Open time	Approx. 70 minutes.*
Processing time	Approx. 70 minutes.*
Shelf Life	Approx 18 months, in unopened packaging. Do not mix partial portions.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.
Remarks	<p>Technical information and safety data sheets of any installation materials and floor coverings used must be observed!</p> <p>It is recommended to wear suitable gloves when applying the adhesive, as the reaction components penetrate deep into the skin.</p> <p>penetrate and are difficult to remove. Cured adhesive can only be removed mechanically.</p> <p>The adhesive has excellent adhesion properties on most materials. Due to the large number, in case of doubt to carry out adhesion tests during processing.</p> <p>When bonding to underfloor heating, a stabilising primer with approved Eurocol-Reaction resin primers necessary. In order to reduce adhesion problems on reaction resin primers, these are available in the Sand off excess with Eurocol 846 Europlan sand.</p> <p>The adhesive cures even at lower temperatures. However, due to the higher viscosity at low temperatures affects the processing. The curing time is considerably longer. In addition, the adhesion becomes too smooth surfaces, especially metals, reduced (observe dew point formation).</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Not a consumer product according to 1999/EG/44.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356/BS 8203.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, metals, must be professionally cleaned and sanded matt after drying.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol grouting compounds Europlan 913 Silicate.
- Prime porous, rough surfaces and cement screeds that are crumbling on the surface with 021 Euroblock Reno LE. If alkaline moisture or construction moisture is present and the stony subfloor is above groundwater-level apply two coats 021 Euroblock Reno LE. In order to create a sufficient bonding bridge for later application of the adhesive, the filled surface should be sprinkled with fine, dried sand.
- As the adhesive has a strong filling effect, there is generally no need to apply a filler.
If necessary, use Eurocol 140 Euromix PU Pro or Eurocol 910 Europlan PU Duo.
In order to create a sufficient bonding bridge for later application of the adhesive, the filled surface should be sprinkled with fine, dried sand, such as 846 Europlan Sand (quartz sand), or the filled surface should be sanded matt.
- In the event of defects, objections must be made in writing.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

Before use, temper the product according to the processing conditions.

The adhesive will also bond at lower temperatures, but will be less easy to apply. Besides the bonding of the adhesive will slow down and the adhesion on smooth surfaces, in particular metal, will decrease strongly. Check in advance if the rubber floor covering is ready for installation or has to be sandpapered beforehand.

Directions for use:

- Add component B to component A.

140 EUROMIX PU PRO

- Stir thoroughly, using an electric stirrer, to a smooth and homogeneous mixture.
- Only mix as much adhesive that can be used within the mentioned pot life.
- Apply the mixture immediately on the subfloor with the recommended adhesive spreader. The quantity of adhesive depends on material and subfloor.
- When fixing a floor covering with a stud back make sure to apply sufficient adhesive, so the hollow sections between the studs are sufficiently filled with adhesive. Due to the large variety of backings it is not possible to indicate a standard adhesive spreader and spreading capacity.
- When laying parquet, ensure that the parquet is approx. 1.5 cm away from the wall.
- Place the floor covering directly into the wet adhesive. A short waiting time within the open time of 30 minutes improves the final adhesion a little. In case of topping edges place a load during 6 hours.
- To avoid accumulation of the adhesive do not walk on the fresh applied floor covering. Always walk behind the roller during rolling.
- Repeat pressing and rolling after 1 - 2 hours.
- Remove fresh adhesive spots immediately with white spirit. Clean tools immediately after use with white spirit.

Underfloor heating systems:

140 Euromix PU Pro can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after installation, in steps of maximum 5 °C watertemperature per day.

Working conditions:

Required surrounding temperature : 18 - 23 °C.
 Temperature for material and subfloor : min. 15° - max. 20 °C.
 Relative humidity : 40 - 70%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	RU1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Component A: None. Component B: contains hazardous ingredients. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste. From 24.8.2023, training is mandatory for handling preparations containing isocyanates. https://isopa-aisbl.idloom.events/049-de
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Hardener: Contains isocyanates. May produce an allergic reaction.

ITEM DATA

Article	pProductname	Packaging	Shipping unit	EAN-code
140	Euromix PU PRO	PE combi pack à 6,9 kg		8 710345 140690
140	Euromix PU PRO	PE combi pack à 6,7 kg	65/pallet	
140	Euromix PU PRO	PE combi pack à 13,4 kg	52/pallet	

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conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

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BG146025, Version 09, Stand 2019-03-12, ersetzt Ausgabe vom 2018-04-24.

140 EUROMIX PU PRO

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Eurocol is part of the Forbo Group



eurocol

425

the strong connection

EUROFLEX STANDARD

Vinyl adhesive, wet-set adhesive. Frost resistant for winter shipping.

PRODUCT TYPING

Base	Synthetic resin dispersion.
Color	Beige.
Consistency	Thick liquid.

- Frost resistant (for wintertime shipments) wet-set adhesive for bonding of homogeneous and heterogeneous PVC-floor coverings in sheets, CV floor coverings, textile floor coverings, standard needle felt floor coverings.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- Suitable over underfloor heating systems.
- Castor wheel resistant according to DIN EN 12529.
- For indoor use only.

PROPERTIES

Consumption	approx. 320 – 480 g/m ²
Flammability	Non-flammable.
Frost resistance	Yes, down to - 40°C, 5 test cycles..
Special quality	For wintertime shipments, frost resistant

APPLICATION

For bonding of

- homogeneous and heterogeneous PVC-floor coverings in sheets,
- CV floor coverings,
- textile floor coverings,
- standard needle felt floor coverings.

PROCESSING

Storage	Store cool. For wintertime shipments, frost resistant
Tools	Spreader A2, B1/B2 (TKB). Type of spreader depends on the floor covering.
Curing	48 hours.*
Waiting time	Approx 10-20 minutes.*
Shelf Life	Approx 15 months in unopened container. After use close the open packaging well.
Cleaner	Water.

425 EUROFLEX STANDARD

Remarks

Floor coverings need to be acclimatized in the room in a flat position before installing, otherwise no proper installation can be guaranteed.

Please pay attention to the fact that linoleum may shrink lengthwise and extend crosswise due to the moisture absorption from the air, the sub-floor and the adhesive (min. distance between two rolls: 0.5 mm. Once the linoleum has been installed, lengthwise shrinkage is not important anymore but the process of crosswise extension lasts much longer.

Welding the seams should be done once the adhesive has been dry but not sooner than 48 - 72 h after the installation.

Please pay attention to the technical information of auxiliary material.

Product is frost resistant and it can be then slowly, the procedure should take a few hours until you can easily stir the adhesive. It is then ready to use.

Contains flammable solvent. Therefore please assure sufficient air ventilation during installation, especially in rooms with open heat sources, in these type of rooms Eurocol recommends EMICODE EC1 products.

Local relevant norms and regulations have to be respected. Outside Germany relevant national regulations are to be applied which have to be known by the user.

Wear protective gloves / eye protection.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, stove bars, seams or other hollow areas again approx. 15 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommendet <65%.

QUALITY AND GUARANTEE

Made in Germany



ENVIRONMENT AND HEALTH

GISCODE	D2
LEED	VOC 74,8 g/l
DGNB	VOC 4,75 %
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

425 EUROFLEX STANDARD

MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Productname	Packaging	Shipping unit
425	Euroflex Standard Polaris	PE bucket à 13 kg	44/pallet
425	Euroflex Standard Polaris	PE bucket à 3,5 kg	120/pallet
425	Euroflex Standard Polaris	PE bucket à 20 kg	32/palett

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132890, Version 08, Stand 2022-12-06, ersetzt Ausgabe vom 2020-09-09

425 EUROFLEX STANDARD

eurocol

522

the strong connection



EUROSAFE TACK

One-sided pressure sensitive and wet set adhesive, for installation of floor-, wallcoverings and ceiling, thermally activated bonding, contact adhesive.

PRODUCT TYPING

Base	Acrylic dispersion.
Consistency	Thick liquid.

- Provides very high initial tack, strong, dispersion-based adhesive for wet-set, one-side-pressure sensitive and contact bonding
- For bonding of vinyl-, CV- floor coverings in sheets, insulation mats.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- Also for laying on non-absorbent subfloors, like old vinyl floor coverings (one-side-pressure sensitive bonding) in combination with 900 Europlan DSP as membrane for migration of plasticizers out of old floors.
- Can also be used for wall covering installation.
- Can be used as contact adhesive (e.g. for heavy wall coverings, impact wall coverings in sports facilities).
- Can be thermally activated after drying.
- Castor wheel resistant according to DIN EN 12529.
- For indoor use only.

PROPERTIES

Consumption	220 - 270 g/m ² , depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	No.
Special quality	one side pressure sensitive adhesive
Specific weight	1.33 kg/l

APPLICATION

For bonding of

- vinyl- floor coverings in sheets,
- CV- floor coverings in sheets,
- insulation mats.

PROCESSING

Storage	Store cool and free from frost.
Tools	Spreader A1/A2 (TKB). Type of spreader depends on the floor covering.
Curing	Approx 24 hours. *

522 EUROSAFE TACK

Open time	90 minutes.*
Waiting time	App. 10-90 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	Technical information and safety data sheets of any laying materials and floor coverings used must be observed! Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided. Do not weld the coverings until the following day at the earliest. Wear protective gloves / eye protection.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 15 minutes after installation.

Special instructions:

Wet/one-side gluing:

- If the substrate is absorbent, allow the adhesive to flash off for approx. 10 - 15 minutes (skin formation) and lay the covering in the still relatively damp adhesive bed and rub/roll it in.
- Within the working time of approx. 30 minutes, but as a wet adhesive, lay the adhesive, rub down well immediately and roll the surface vigorously.

Pressure sensitive adhesive

- In the case of non-absorbent substrates and impermeable coverings, the adhesive must flash off completely.
- Flash-off time approx. 30 - 90 minutes depending on the room climate conditions.

Contact bonding

- Apply the adhesive to the substrate and the back of the covering and allow to dry in the same way as the pressure-sensitive adhesive.
- Within the contact bonding time of approx. 90 minutes, lay the covering and rub down well. Corrections are no longer possible!

The adhesive can be reactivated with heat within a few days. To do this, heat the covering and substrate to approx. 70 - 80°C (welding device) and carry out the bonding process in the same way as for contact bonding.

Adhesive Roll - System

- The adhesive, applied with a toothed strip, is immediately rolled out with Eurocol Microfibre Roller. This shortens the flash-off time and the tendency of coverings to indentations under early loading, as well as the marking of Scoring and the tendency to re-soiling

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,

522 EUROSAFE TACK

35-75% relative humidity, recommended <65%.

ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 60,7 g/l
DGNB	VOC 3,95 %, quality level: 1
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
522	Eurosafe Tack	PE bucket à 13 kg	44/pallet
522	Eurosafe Tack	PE bucket à 6 kg	72/pallet
522	Eurosafe Tack	PE bucket à 20 kg	32/palett

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132508, Version 09, Stand 2022-01-26, ersetzt Ausgabe vom 2021-03-04

522 EUROSAFE TACK

eurocol

525

the strong connection

EUROSAFE BASIC

Universal adhesive, adhesive for wet bonding on absorbent sub-floors, good initial adhesion power, high bonding power.

PRODUCT TYPING

Base	Acrylic dispersion.
Consistency	Thick liquid.

- Dispersion-based adhesive for wet-set bonding of vinyl-, CV- floor coverings in sheets.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- The adhesive seam is very hard and tough-elastic.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- For indoor use.
- Emission tested construction product according to DIBt principles.

PROPERTIES

Consumption	approx 300 g/m ² , depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	No.
Specific weight	1.38 kg/l.

APPLICATION

For bonding of

- vinyl-floor coverings in sheets,
- CV- floor coverings in sheets.

PROCESSING

Storage	Store cool and free from frost.
Tools	Spreader A2 (TKB). Type of spreader depends on the floor covering.
Curing	Approx 48 hours. *
Open time	Approx 20 minutes.*
Waiting time	App. 5-20 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.

525 EUROSAFE BASIC

Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, PVC coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. With regard to such markings any claims arising therefrom are excluded.</p> <p>Wear protective gloves / eye protection.</p>
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** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 15 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.

525 EUROSAFE BASIC

Substances causing allergy Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
525	Eurosafe Basic	PE bucket à 13 kg	44/pallet
525	Eurosafe Basic	PE bucket à 20 kg	32/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132851, Version 04, Stand 2020-09-03, ersetzt Ausgabe vom 2020-01-16.

525 EUROSAFE BASIC

eurocol

528

the strong connection

EUROSTAR ALLROUND

Universal adhesive, wet-set bonding adhesive with extended installation time for PVC, vinyl, textile floor coverings.

PRODUCT TYPING

Base	Acrylic dispersion.
Consistency	Thick liquid.

- High-quality, dispersion-based, wet-set adhesive with very good initial adhesion power.
- For installation of vinyl design floor coverings, LVTs, homogeneous and heterogeneous vinyl and CV-floor coverings in sheets and tiles, textile floor coverings with different backings, standard needle felt floor coverings.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- The adhesive seam is very hard and tough-elastic.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Shampoo resistant according to RAL 991 A2.
- For indoor use.
- Very low VOC emission. EMICODE EC 1 Plus.
- Emission tested construction product according to DIBt principles.

PROPERTIES

Consumption	approx 250 - 490 g/m ² , depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	No.
Special quality	Universally usable.
Specific weight	1.3 kg/l

APPLICATION

For installation of

- vinyl design floor coverings, LVTs,
- homogeneous and heterogeneous vinyl-floor coverings in sheets and tiles,
- CV-floor coverings,
- textile floor coverings with different backings, standard needle felt floor coverings.

Also for gluing multiplex plywood boards, wood-based panels (V100 P4 - P7, OSB 2 - 4) to one another, e.g. in sports flooring construction.

PROCESSING

Storage	Store cool and free from frost.
Tools	Spreader A2, B1-B2 (TKB). Type of spreader depends on the floor covering.

528 EUROSTAR ALLROUND

Curing	Approx 48 hours. *
Open time	Approx 40 minutes *
Waiting time	Approx 5-10 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded. With regard to such markings any claims arising therefrom are excluded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 15 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE

528 EUROSTAR ALLROUND



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
528	Eurostar Allround	PE bucket à 13 kg	44/pallet
528	Eurostar Allround	PE bucket à 20 kg	32/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132518, Version 08, Stand 2018-06-06, ersetzt Ausgabe vom 2013-01-14.

528 EUROSTAR ALLROUND

eurocol 540

the strong connection



EUROSAFE SPECIAL

Fast-bonding adhesive with high initial tack for bonding PVC floor coverings in strips, slats and tiles, cushion vinyl and carpet with a PVC backing. Also suitable for bonding flat floor coverings, such as rubber floor coverings in strips (including Noraplan). 'Wet', 'semi-wet' and 'dry' bonding is possible with this adhesive, the choice depends on application and circumstances. High final tack. Suitable for indoor use.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	Beige.
Consistency	Thick liquid.

- Non-flammable
- Easy and safe to apply
- High initial adhesion strength and final bond strength
- Favourable spreading capacity
- Roller-castor-chair resistant

PROPERTIES

Consumption	250 - 350 g/m ² , depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.32 kg/l.

APPLICATION

For installing:

- PVC floor covering in sheets and tiles
- Vinyl LVT
- cushion vinyl
- PVC backed carpet
- rubber floor covering in sheets and tiles with a smooth back
- polyolefin floor covering.

PROCESSING

Storage	Store cool and free from frost.
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540 EUROSAFE SPECIAL

Tools	Eurocol spreader no. 852/A2. Type of spreader depends on the floor covering.
Curing	48 hours.*
Open time	Approx 60 minutes.*
Waiting time	10-20 minutes.*
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 540 Eurosafe Special is suitable for any type of subfloor that has a good tensile and compression strength.
- The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- When installing on impervious subfloors apply a 2 mm layer of levelling compound.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply the adhesive with a fine-notched adhesive spreader (Eurocol spreader no. 852/A2). Type of spreader depends on the floor covering and condition of the subfloor.
- When installing impervious floor covering keep a waiting time of approx. 15 minutes.
- Prevent that the adhesive strips show through and avoid impressions caused by a concentrated force on the floor covering by rolling the adhesive strips immediately after application of the adhesive (A2 spreader). In this way the application time of the floor covering is reduced tot max. 10 minutes. Thereafter apply the floor covering as soon as possible and roll carefully. An extended open time can lead to seams and disconnection. Before application contact the floor covering manufacturer or our technical department.
- When installing polyolefin or polyurethane floor covering, wait until the top of the adhesive stripes have dried transparent.
- Roll the floor covering carefully. Sheet-ends and longitudinal joints are to be pressed firmly.
- Rolling and pressing should be repeated after approx. 30 minutes.
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

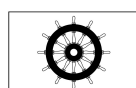
Relative humidity : 40 - 80%.

Underfloor heating systems:

540 Eurosafe Special can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 48 hours after installation, in steps of maximum 5 °C water temperature per day.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1). May produce an allergic reaction.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

540 EUROSAFE SPECIAL

Substances Contains 2-methyl-2H-isothiazol-3-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and
causing allergy 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction

ITEM DATA

Article	Definition	Packaging	EAN-code
540	Eurosafe Special	13 kg Bucket	8 710345 540018

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

540 EUROSAFE SPECIAL

eurocol

543

the strong connection



EUROSAFE DECO

Ready-to-use dispersion adhesive with a high, permanent adhesive strength for installing dimensionally stable PVC slats and tiles on levelled subfloors. Because the adhesive is applied with a fleece roller, there is no chance of adhesive grooves showing through. This also results in favourable consumption and ergonomic processing. Also suitable for gluing or fixing certain types of carpet tiles. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects

PRODUCT TYPING

Base	Acrylic dispersion.
Color	Light blue.
Consistency	liquid.

- Very low emission
- Emicode EC 1PLUS
- Pressure sensitive
- High temperature resistant
- Solvent free
- Non-flammable
- Favourable spreading capacity
- No grin through of adhesive trowel marks
- Easy and safe to apply
- High final bond strength

PROPERTIES

Consumption	100-150 g/m ² , on levelled subfloors.
Frost resistance	No.
Sensitive to frost	Yes.
Specific weight	1.04 kg/l.

APPLICATION

For the installation of dimensionally stable PVC sheet, strips and tiles on levelled subfloors. Suitable for pressure sensitive installation. Also high temperature resistant, up to a structural surface temperature of maximum 50 °C, for installation in areas with direct sunlight.

PROCESSING

Storage	Store cool and free from frost. Protect against high temperatures.
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543 EUROSAFE DECO

Tools	Eurocol spreader no. 852/A2.
Curing	24 hours.*
Waiting time	None.
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 543 Eurosafe Deco is suitable for any type of subfloor that has good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt according to the requirements of BS 8203 or DIN 18 365.
- Anhydrite floors should be sandpapered. Thereafter make the floor dust free and prime with 044 Europrimer Multi. This layer has to dry sufficiently.
- For an optimal final result, apply a 2 mm levelling compound layer on the subfloor.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- It is very important to acclimatize the PVC-material for at least 48 hours in the room where it will be installed.
- Apply the 543 Eurosafe Deco with a fine-notched adhesive spreader (Forbo Eurocol no. 852/A2).
- The sheets, strips or tiles can be placed directly into the wet, semi moist or dry adhesive.
- Drying time is depending on temperature, relative humidity and the porosity of the subfloor.
- After applying carefully roll and firmly rub the strips or tiles in to the adhesive line.
- Drying time minimal 24 hours.
- Remove fresh adhesive spots immediately with a clean damp cloth.

Working conditions:

Required surrounding temperature : 18 - 23 °C

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40-80%.

High temperature characteristics: underfloor heating systems and direct sunlight:

543 Eurosafe Deco can be applied on underfloor heating systems. The start protocol of the floor heating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before fixation. Do not heat again until at least 24 hours after fixation, in steps of maximum 5 °C water temperature per day.

If there is the possibility that the PVC- strips or tiles will get warmer than 50 °C (also by sunlight), you have to choose for a polyurethane bonding.

543 Eurosafe Deco is tested in combination with high temperatures. The adhesive is tested suitable for installing PVC-material, exposed to higher temperatures such as direct sunlight provided the surface does not exceed 50 °C. Installation in wet adhesive is preferred for such conditions.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone. May produce an allergic reaction.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article Definition Packaging EAN-code

543 EUROSAFE DECO

543 EUROSAFE DECO

eurocol 622

the strong connection



EUROSTAR TACK

One-sided pressure sensitive and wet-set adhesive, for installation of floor-, wallcoverings and ceiling, thermally reactive bonding.

PRODUCT TYPING

Base	Acrylic dispersion.
Color	Lightbeige.
Consistency	Thick liquid.

- High quality, strong, dispersion-based adhesive for wet-set, one-side pressure sensitive and contact installation.
- For bonding of vinyl-, CV- floor coverings in sheets, textile floorings (not for needlefelt), insulation mats.
- For installation on standard-compliant, fully filled, absorbent subfloors or dense subfloors.
- The adhesive has a very high initial tack and a very long laying time.
- The adhesive can be used in the contact bonding process for bonding heavy wall coverings, installation of floor coverings on stair steps.
- After drying, the adhesive can be thermally reactivated.
- Can also be used in the adhesive - roll - system or re-laying process.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Suitable for shampooing according to RAL 991 A2.
- For indoor use.
- Very low emission EMICODE EC 1 Plus.
- Emission tested building product according to DIBt principles.
- Declared by baubook, "ecological building product".

PROPERTIES

Consumption	approx 250 - 300 g/m ² , depending on the condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	No.
Special quality	Multipurpose adhesive with very long open time.
Specific weight	1.31 kg/l

APPLICATION

For the installation of

- vinyl-floor coverings in sheets,
- CV-floor coverings in sheets,
- textile floor coverings,
- Eurocol insulation mats.

622 EUROSTAR TACK

PROCESSING

Storage	Store cool and free from frost.
Tools	spreader A1, A2.
Curing	24 hours.*
Open time	Approx 60 minutes. *
Waiting time	Approx. 10 - 60 minutes.*
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded. With regard to such markings any claims arising therefrom are excluded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 15 minutes after installation.

Special instructions:

Wet/one-side gluing:

- If the substrate is absorbent, allow the adhesive to flash off for approx. 10 - 15 minutes (skin formation) and lay the covering in the still relatively damp adhesive bed and rub/roll it in.
- Within the working time of approx. 30 minutes, but as a wet adhesive, lay the adhesive, rub down well immediately and roll the surface vigorously.

622 EUROSTAR TACK

Pressure sensitive adhesive

- In the case of non-absorbent substrates and impermeable coverings, the adhesive must flash off completely.
- Flash-off time approx. 30 - 90 minutes depending on the room climate conditions.

Contact bonding

- Apply the adhesive to the substrate and the back of the covering and allow to dry in the same way as the pressure-sensitive adhesive.
- Within the contact bonding time of approx. 90 minutes, lay the covering and rub down well. Corrections are no longer possible!

The adhesive can be reactivated with heat within a few days. To do this, heat the covering and substrate to approx. 70 - 80°C (welding device) and carry out the bonding process in the same way as for contact bonding.

Adhesive Roll - System

- The adhesive, applied with a toothed strip, is immediately rolled out with Eurocol Microfibre Roller. This shortens the flash-off time and the tendency of coverings to indentations under early loading, as well as the marking of Scoring and the tendency to re-soiling

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Productname	Packaging	Shipping unit
622	Eurostar Tack	PE bucket à 13 kg	44/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132805, Version 16, Stand 2020-08-20, ersetzt Ausgabe vom 2019-04-09.

622 EUROSTAR TACK

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Eurocol is part of the Forbo Group



eurocol 628

the strong connection



EUROSTAR RAPID

Fast adhesive, fibre-reinforced, wet set adhesive. Prevents the elements from slipping during insertion and immediate access.

PRODUCT TYPING

Base	Acrylic ester copolymers, polyacrylonitrile, copolymers of butyl acrylate, methyl methacrylate and styrene, mineral fillers, thickeners, wetting agents, defoaming agents, fibres, water.
Color	Beige.
Consistency	Thick liquid.

- High quality, fiber-reinforced, strong, dispersion-based adhesive developing for wet-set bonding, immediate bonding power with very high initial strength.
- Ideal for the installation of vinyl- (LVT), CV- floor coverings in sheets and tiles, for rubber floor coverings in sheets with sanded backing (e.g. Noraplan) as well as in tiles up to 1 m x 1 m up to 4 mm (e.g. Norament).
- For installation on standard-compliant, fully filled, absorbent subfloors.
- Immediate bonding power prevents installation related tiles getting out of place.
- Fiber reinforcement improves dimension stability and reduces the risk of indentation of the ready installed floor covering (hospital bed wheels resistance).
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- For indoor use.
- Very low emission EMICODE EC 1 Plus.
- Emission tested building product according to DIBt principles.

PROPERTIES

Consumption	approx 250 g/m ² , depending on the condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	No.
Special quality	Fibre-reinforced, fast bonding.
Specific weight	1.2 kg/l

APPLICATION

For the installation of

- vinyl- floor coverings in sheets and tiles (LVT),
- CV- floor coverings in sheets and tiles,
- for rubber floor coverings in sheets with sanded backing (e.g. Noraplan) as well as in tiles up to 1 m x 1 m up to 4 mm (e.g. Norament).

PROCESSING

628 EUROSTAR RAPID

Storage	Store cool and free from frost.
Tools	spreader A1, A2.
Curing	24 hours.*
Open time	Approx 8 - 20 minutes. *
Waiting time	None.
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation and point loads must be avoided. In order to minimise residual impressions as far as possible, PVC coverings should always be laid in a wet adhesive bed and immediately rub well to completely crush the adhesive letters. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded.</p> <p>If the insertion time is exceeded, during which the adhesive grooves can still be completely crushed, standing grooves remain, which can be marked on the upper side of thin coverings, or can be crushed under point loads. This leads to visible deformations in the floor covering structure. With regard to such remarks, any claims arising therefrom are excluded.</p> <p>Welding/jointing of the flooring should be carried out the next day at the earliest.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 15 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE

628 EUROSTAR RAPID



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Productname	Packaging	Shipping unit
628	Eurostar Rapid	PE bucket à 12 kg	44/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132802, Version 06, Stand 2020-08-25, ersetzt Ausgabe vom 2020-02-10.

628 EUROSTAR RAPID

eurocol 640

the strong connection



EUROSTAR SPECIAL

Fast-bonding adhesive with a longer open time and longer final adhesive force than the 540 Eurosafe Special for bonding PVC floor coverings in sheets, slats and tiles, cushion vinyl and carpet with a PVC backing. Also suitable for bonding flat floor coverings, such as rubber floor coverings in strips (including Noraplan). 'Wet', 'semi-wet' and 'dry' bonding is possible with this adhesive, the choice depends on the application and circumstances. Also suitable for use on ships where IMO is required. Thanks to EMICODE EC 1PLUS (very low emissions) also suitable for BREEAM projects. Suitable for indoor use.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	Beige.
Consistency	Thick liquid.

- EMICODE EC 1PLUS (very low emission)
- Non-flammable
- Multi-purpose application
- Easy to apply
- Favourable spreading capacity
- Short waiting time
- Very long open time
- Very high stickiness
- High final adhesion strength
- Odour neutral
- Roller-castor-chair resistant

PROPERTIES

Classification	GEV-EMICODE EC 1PLUS (very low emissions) tested in accordance with EN 13999-2/4. Suitable for BREEAM projects.
Consumption	225 - 275 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.25 kg/l.

APPLICATION

For installing:

- PVC floor covering in sheets and tiles

640 EUROSTAR SPECIAL

- cushion vinyl
- PVC backed carpet
- rubber floor covering with a smooth back in sheets and tiles
- polyolefin floor covering.

PROCESSING

Storage	Cool and dry, well sealed at normal temperature (5° - 30 °C).
Tools	Eurocol spreader no. 852/A2.
Curing	48 hours.*
Open time	Approx 10 - 120 minutes.*
Waiting time	Approx 10-50 minutes.*
Shelf Life	15 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded. With regard to such markings any claims arising therefrom are excluded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 640 Eurostar Special is suitable for any type of subfloor that has a good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- When installing on impervious subfloors apply a 2 mm levelling compound layer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- In most cases, apply the adhesive with a fine-toothed adhesive comb (Eurocol 852 adhesive comb/toothed A2). Type of spreader depends on the type of floor covering and condition of the subfloor.
- The adhesive can be used for wet, semi-wet, dry or contact bonding.
- Under "normal" climatic conditions (20 °C and 65% humidity), wait for at least 10 minutes
- Immediately after bonding roll the floor covering carefully. Sheet-ends and longitudinal joints are to be pressed firmly.
- Rolling and pressing should be repeated after approx. 30 - 45 minutes.
- Remove fresh adhesive spots immediately with water.
- Clean tools with water immediately after use

Working conditions:

Required surrounding temperature : 18 - 23 °C.
 Temperature for material and subfloor : min. 15° - max. 20 °C.
 Relative humidity : 40 - 80%.

Further information:

- Keep out of reach of children.
- Keep area thoroughly ventilated during and after processing and drying.

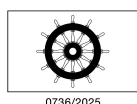
640 EUROSTAR SPECIAL

- When processing do not eat, drink or smoke.
- Avoid contact with eyes and skin and use suitable protective equipment.
- In case of contact with eyes or skin, rinse immediately with plenty of water.
- Dispose of product residues and cleaning water in accordance with local environmental regulations and do not dispose of them in the sewer.
- Only submit packaging without residues for recycling. Dried material remains can be disposed of with household waste.
- For detailed information about the safety measures, we refer to the safety information sheet on our website www.eurocol.nl.
- The product contains mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.

Underfloor heating:

640 Eurostar Special can be applied on underfloor heating. The start protocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Turn off the heater 24 hours before application. Do not heat again until at least 48 hours after installation, in steps of maximum 5 °C water temperature per day. Make sure that the floor temperature does not exceed 29 °C.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Definition	Packaging	EAN-code
640	Eurostar Special	12 kg Bucket	8 710345 640107

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

640 EUROSTAR SPECIAL

eurocol

643

the strong connection



EUROSTAR FIBRE

Fibre-reinforced, universal adhesive, long open time, high performance.

PRODUCT TYPING

Base	Acrylate dispersion, filler, thickener, wetting agent, defoaming agent, water, preservative.
Color	White.
Consistency	Thick liquid.

- High quality, fiber-reinforced, strong, dispersion-based adhesive with long open time, which achieves a very high final strength.
- The adhesive is suitable for bonding of rubber floor coverings in sheets with sanded backing (e.g. Noraplan) as well as in tiles up to 1 m x 1 m, up to 4 mm thickness (e.g. Norament), for LVTs, vinyl- and CV- floor coverings in sheets and tiles, vinyl composite floor coverings, textile floor coverings with different backings, needle felt, linoleum in sheets and in tiles (e.g. Modular), as well for approved Eurocol insulating underlays. For chlorine-free floor coverings, please consult our application department.
- For installation on standard-compliant, fully filled, absorbent subfloors.
- Recommended for improving the dimensional stability and indentation behavior of bonded floor coverings.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Shampoo resistant according to RAL 991 A2.
- For indoor use.
- Very low emission EMICODE EC 1 Plus.
- Emission tested building product according to DIBt principles.
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Consumption	Linoleum and textile coverings, underlays: B1, B2 (TKB) approx. 500 g/m ² . PVC, CV coverings: A1, A2 (TKB) approx. 240- 280 g/m ² . Elastomer coverings: A2 (TKB) approx. 290 g/m ² , also depending on the subfloor. *
Flammability	Non-flammable.
Frost resistance	No.
Special quality	Fiber-reinforced. Universal.
Specific weight	1.31 kg/l

APPLICATION

For bonding of

- rubber floor coverings in sheets with sanded backing (e.g. Noraplan) as well as in tiles up to 1 m x 1 m, up to 4 mm thickness (e.g. Norament),
- LVTs,
- vinyl- floor coverings in sheets and tiles,
- CV- floor coverings,
- vinyl composite floor coverings,
- textile floor coverings with different backings, needle felt,

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- linoleum in sheets and in tiles (e.g. Modular),
- Eurocol insulating underlays.

For chlorine-free floor coverings, please consult our application department.

PROCESSING

Storage	Store in a cool and frost-free place (between 5° - 30 °C).
Tools	Spreader A1, A2, B1, B2. (TKB)
Open time	30 minutes.*
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. With regard to such markings any claims arising therefrom are excluded. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- In the case of stove bars (Linoleum), the adhesive must be applied to the back of the covering with a smooth spatula (contact bonding) before the covering is placed in the adhesive bed.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, stove bars, seams or other hollow areas again approx. 15 minutes after installation.

Special instructions:

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PVC Design Coverings/LVT, Rubber (TKB A2) and Linoleum (TKB B1)

- Insert after a flash-off time of approx. 10 - 15 minutes.
- Edges are lightly butted, not pressed.
- The work progress should be set so that a flash-off time is selected in which the adhesive ridges can still burst open to be crushed and thus wet the back of the flooring.

PVC floor coverings in sheets (TKB A2)

- within the insertion time of approx. 30 minutes, but as wet bonding, immediately rub well and roll the surface vigorously.

CV floor coverings

- In this case, the toothing can be minimised to A1 (TKB) on even surfaces, thereby minimising the flash-off time.

Textile coverings and needle punched fleece (TKB B1- B2)

- within the application time of approx. 40 minutes, immediately rub in well and roll the surface vigorously.

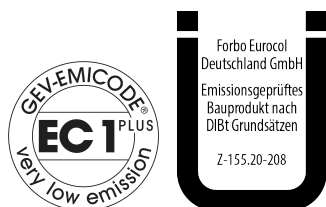
Adhesive Roll - System

- The adhesive, applied with a toothed strip, is immediately rolled out with Eurocol Microfibre Roller. This shortens the flash-off time and the tendency of coverings to indentations under early loading, as well as the marking of Scoring and the tendency to re-soiling

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%, condition when laying linoleum.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
643	Eurostar Fibre	PE bucket à 13 kg	44/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the

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intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132843, Version 14, Stand 2023-03-22, ersetzt Ausgabe vom 2022-07-27

643 EUROSTAR FIBRE

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Eurocol is part of the Forbo Group



eurocol

644

the strong connection



EUROSTAR MULTI PLUS

Fibre-reinforced universal adhesive, easy to apply, lower consumption, short drying time, high performance.

PRODUCT TYPING

Base	Acrylate dispersion, filler, thickener, wetting agent, defoaming agent, water, preservative.
Color	White.
Consistency	Thick liquid.

- High quality, fiber-reinforced, strong, dispersion-based adhesive with long open time, which achieves a very high final strength.
- The adhesive is suitable for bonding of rubber floor coverings in sheets with sanded backing (e.g. Noraplan) as well as in tiles up to 1 m x 1 m, up to 4 mm thickness (e.g. Norament), for LVTs, vinyl- and CV- floor coverings in sheets and tiles, vinyl composite floor coverings, textile floor coverings with different backings, needle felt, linoleum in sheets and in tiles (e.g. Modular), as well for approved Eurocol insulating underlays. For chlorine-free floor coverings, please consult our application department.
- For installation on standard-compliant, fully filled, absorbent subfloors.
- Consumption-optimized.
- Recommended for improving the dimensional stability and indentation behavior of bonded floor coverings.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Shampoo resistant according to RAL 991 A2.
- For indoor use.
- Very low emission EMICODE EC 1 Plus.
- Emission tested building product according to DIBt principles.
- Low emission, low solvent according to Blue Angel UZ 113.
- EPD - Environmental Product Declaration declared by [IBU](#)
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Consumption	Linoleum and textile coverings, underlays: B1, B2 (TKB) approx. 390 g/m ² . PVC, CV coverings: A1, A2 (TKB) approx. 190 - 220 g/m ² . Elastomer coverings: A2 (TKB) approx. 220 g/m ² , also depending on the subfloor. *
Flammability	Non-flammable.
Frost resistance	No.
Special quality	Optimised consumption - up to 21% lower compared to market products. Short flash-off time - reduces the waiting time until laying. Rapid strength build-up - reduces floating and accelerates walking. Optimised adhesion to levelling compounds - higher chair castor load capacity. Optimised heat resistance - reduces joint formation or butt spikes. Optimised spreadability - easier work.
Specific weight	1.12 kg/l.

APPLICATION

For bonding of

- rubber floor coverings in sheets with sanded backing (e.g. Noraplan) as well as in tiles up to 1 m x 1 m, up to 4 mm thickness (e.g.

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- Norament),
- LVTs,
- vinyl- floor coverings in sheets and tiles,
- CV- floor coverings,
- vinyl composite floor coverings,
- textile floor coverings with different backings, needle felt,
- linoleum in sheets and in tiles (e.g. Modular),
- Eurocol insulating underlays.

For chlorine-free floor coverings, please consult our application department.

PROCESSING

Storage	Store cool and free from frost.
Tools	Spreader A1, A2, B1, B2. (TKB)
Curing	Minimum 24 hours, depending on the subfloor and floor covering.
Waiting time	Linoleum and textile coverings approx. 5-10 minutes, PVC, CV coverings approx. 10-40 minutes, rubber 5-10 minutes.. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. With regard to such markings any claims arising therefrom are excluded. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
 - Stir before use!
 - Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
 - Coverings must be laid in the adhesive bed which is still wet.
 - The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
- When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- In the case of stove bars (Linoleum), the adhesive must be applied to the back of the covering with a smooth spatula (contact

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- bonding) before the covering is placed in the adhesive bed.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, stove bars, seams or other hollow areas again approx. 15 minutes after installation.

Special instructions:

PVC Design Coverings/LVT, Rubber (TKB A2) and Linoleum (TKB B1)

- Insert after a flash-off time of approx. 5 - 15 minutes.
- Edges are lightly butted, not pressed.
- The work progress should be set so that a flash-off time is selected in which the adhesive ridges can still burst open to be crushed and thus wet the back of the flooring.

PVC floor coverings in sheets (TKB A2)

- within the insertion time of approx. 40 minutes, but as wet bonding, immediately rub well and roll the surface vigorously.

CV floor coverings

- In this case, the toothing can be minimised to A1 (TKB) on even surfaces, thereby minimising the flash-off time.

Textile coverings and needle punched fleece (TKB B1- B2)

- within the application time of approx. 40 minutes, immediately rub in well and roll the surface vigorously.

Adhesive Roll - System

- The adhesive, applied with a toothed strip, is immediately rolled out with Eurocol Microfibre Roller. This shortens the flash-off time and the tendency of coverings to indentations under early loading, as well as the marking of Scoring and the tendency to re-soiling

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%, condition when laying linoleum.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
644	Eurostar Multi Plus	PE bucket à 12 kg	44/pallet
644	Eurostar Multi Plus	PE bucket à 6 kg	72/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of

644 EUROSTAR MULTI PLUS

deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132644, Version 08, Stand 2023-08-31, ersetzt Ausgabe vom 2022-06-27

644 EUROSTAR MULTI PLUS

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Eurocol is part of the Forbo Group



eurocol 678

the strong connection



EUROSTAR PROJECT

Universal adhesive, wet-set bonding adhesive with extended installation time for PVC, vinyl, textile floor coverings and Linoleum. Achieves high final strengths. Consumption-optimised. Frost-resistant during transport.

PRODUCT TYPING

Base	Acrylic dispersion with mineral fillers, resins and additives.
Color	Beige.
Consistency	Thick liquid.

- High-quality, dispersion-based, wet-set adhesive with very good initial adhesion power.
- For installation of vinyl design floor coverings, LVTs, homogeneous and heterogeneous vinyl and CV-floor coverings in sheets and tiles, Linoleum, textile floor coverings with different backings, standard needle felt floor coverings.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Shampoo resistant according to RAL 991 A2.
- For indoor use.
- Frost resistant during transport.
- Very low-emission installation material certified according to EMICODE EC 1 Plus. GISCODE D 1.
- Emission-tested building product according to DIBt principles.

PROPERTIES

Consumption	Approx 200 - 490 g/m ² , depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	Yes.
Special quality	Universally usable. Frost resistant during transport. Optimised consumption - up to 20% lower compared to market products.
Specific weight	1.2 kg/l

APPLICATION

For installation of

- vinyl design floor coverings, LVTs,
- homogeneous and heterogeneous vinyl-floor coverings in sheets and tiles,
- CV-floor coverings,
- textile floor coverings with different backings, standard needle felt floor coverings.

PROCESSING

Storage	Store cool and free from frost.
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678 EUROSTAR PROJECT

Tools	Spreader A1-A2, B1-B2 (TKB). Type of spreader depends on the floor covering.
Curing	Approx 48 hours. *
Open time	Approx 60 minutes *
Waiting time	Approx 30-40 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded. With regard to such markings any claims arising therefrom are excluded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, for more information: www.emicode.com</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), the type of floor covering, temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 30 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE

678 EUROSTAR PROJECT



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
678	Eurostar Project	PE bucket à 12 kg	44/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132895, Version 05, Stand 2022-10-27, ersetzt Ausgabe vom 2022-07-28

678 EUROSTAR PROJECT

MULTI-PURPOSE **ADHESIVES**

MULTI-PURPOSE ADHESIVES

the strong connection

eurocol

444

the strong connection



EUROFLEX MULTI

Multi-purpose floor covering adhesive with a high initial grab.

PRODUCT TYPING

Base	Synthetic resin dispersion.
Color	Beige.
Consistency	Thick liquid.

- Non-flammable
- Easy and safe to apply
- Multi-purpose application
- High initial adhesion strength
- Favourable spreading capacity
- Roller-castor-chair resistant

PROPERTIES

Consumption	375 - 450 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.47 kg/l.

APPLICATION

For installing:

- synthetic backed carpet
- hessian-backed carpet
- needlefelt
- linoleum
- corkment
- vinyl with a back of jute/polyester felt
- cushion vinyl (e.g. Novilon).

PROCESSING

Storage	Store cool and free from frost.
Tools	Eurocol spreader no. 850/B1.
Curing	24 hours.*
Open time	15 - 20 minutes.*
Waiting time	None.

444 EUROFLEX MULTI

Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 444 Euroflex Multi is suitable for any type of subfloor that has a good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Only use pervious floor coverings on impervious subfloors.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply the adhesive with a regular notched adhesive spreader (Eurocol spreader no. 850/B1).
- On absorbent subfloors apply the floor covering directly into the wet adhesive. On low absorbent subfloors keep a waiting time of approx. 10 minutes.
- Roll the floor covering carefully. Sheet-ends, possible bight marks and longitudinal joints are to be pressed firmly.
- On low absorbent subfloors, in case of impervious back qualities and/or when circumstances are less ideal, rolling and pressing should be repeated after approx. 15 minutes.
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18° - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Underfloor heating systems:

444 Euroflex Multi can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after installation, in steps of 5 °C per day.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone . May produce an allergic reaction.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
444	Euroflex Multi	14 kg Bucket	8 710345 444101

444 EUROFLEX MULTI

eurocol 500

the strong connection



EUROSAFE MULTI

Universal and fast-setting adhesive for gluing carpet with a backing of synthetic fabric, PVC or jute. Also for gluing needle felt, linoleum, Corkment, PVC in strips and cushion vinyl. Ideal for projects with several small floor areas where different types of floor coverings need to be installed.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	Beige.
Consistency	Thick liquid.

- Multi-purpose application
- Non-flammable
- Easy and safe to apply
- High initial adhesion strength and final bond strength
- Favourable spreading capacity
- Roller-castor-chair resistant

PROPERTIES

Consumption	Spreader B1: 325 - 425 g/m ² , Spreader A2: 300 - 350 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.55 kg/l.

APPLICATION

For installing:

- PVC and cushion vinyl flooring
- synthetic backed carpet
- hessian-backed carpet
- PVC backed-carpet
- needlefelt
- linoleum
- corkment
- cushion vinyl

PROCESSING

500 EUROSAFE MULTI

Storage	Store cool and free from frost.
Tools	Eurocol spreader no. 850/B1 when installing carpet, needlefelt, linoleum and corkment. Eurocol spreader no. 852/A2 when installing carpet with a PVC back and PVC and cushion vinyl flooring.
Curing	24 hours.*
Open time	15 - 30 minutes.*
Waiting time	0-10 minutes.*
Shelf Life	Approx 15 months, in unopened packaging.
Cleaner	Water.
Application temperature	

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 500 Eurosafe Multi is suitable for any type of subfloor that has a good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Only use vapour pervious floor coverings on impervious subfloors.
- When installing cushion vinyls or a carpet with a closed back on fully impervious subfloors apply a 2 mm levelling compound layer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply the adhesive with the recommended adhesive spreader.
 - Eurocol spreader no. 850/B1 for installing carpet, needlefelt, linoleum and corkment.
 - Eurocol spreader no. 852/A2 for installing PVC and cushion vinyl flooring and carpet with a PVC back.
- On absorbent subfloors apply the floor covering within 10 minutes into the wet adhesive. On low absorbent subfloors keep a waiting time of 10 - 30 minutes (depending on porosity of the subfloor, temperature and relative humidity).
- When installing PVC and cushion vinyl flooring and carpet with a PVC back the subfloor should be moisture absorbent and apply the floor covering into the wet adhesive.
- Roll the floor covering carefully. Sheet-ends, possible bight marks and longitudinal joints are to be pressed firmly.
- On low absorbent subfloors, in case of impervious back qualities and/or when circumstances are less ideal, rolling and pressing should be repeated after approx. 15 minutes (depending on temperature and relative humidity).
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23° C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Underfloor heating systems:

500 Eurosafe Multi can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completly executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after installation, in steps of maimun 5 °C water temperature per day.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone. May produce an allergic reaction.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
500	Eurosafe Multi	15 kg bucket	8 710345 515009

500 EUROSAFE MULTI

eurocol 530

the strong connection



EUROSAFE CORK

Fast-setting floor covering adhesive with a short waiting time for gluing carpet, wall tapestry, linoleum, bulletin board and cork tiles on walls and floors. The substrate must be absolutely permanently dry. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Sulphite lye and fillers dispersed in water.
Color	Brown.
Consistency	Thick liquid.

- Very low emission
- Emicode EC 1PLUS
- Non-flammable
- Easy and safe to apply
- High initial adhesion strength

PROPERTIES

Consumption	550 - 650 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Humidity resistance	When dry 530 Eurosafe Cork is not moisture-resistant.
Specific weight	1.66 kg/l.

APPLICATION

For installing on permanently dry subfloors of:

- linoleum
- carpet
- wall carpet
- cork wall and floor tiles
- bulletin board.

PROCESSING

Storage	Store cool and free from frost.
Tools	Eurocol spreader no. 850/B1.

530 EUROSAFE CORK

Curing	24 hours.*
Open time	10-15 minutes.*
Waiting time	None.
Moisture resistance	When dry 530 Eurosafe Cork is not moisture-resistant.
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 530 Eurosafe Cork is suitable for any type of subfloor that has a good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Only use pervious floor coverings on impervious subfloors.
- When installing impervious floor coverings on impervious subfloors apply a 2 mm levelling compound layer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply the adhesive with a regular notched adhesive spreader (Eurocol spreader no. 850/B1).
- Place the material directly into the wet adhesive and roll and/or press thoroughly.
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone. May produce an allergic reaction.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
530	Eurosafe Cork	13,5 kg Bucket	8 710345 483506

530 EUROSAFE CORK

eurocol 600

the strong connection



EUROSTAR MULTI

Multi-purpose floor covering adhesive, with high initial grab, wet set adhesive.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	White.
Consistency	Thick liquid.

- Multi-purpose wet-bed adhesive with very good spreadability.
- For bonding homogeneous and heterogeneous PVC coverings in webs, CV coverings (also with synthetic carrier fleece), textile coverings (including needle fleece, ball yarn), of linoleum floor coverings in sheets up to 2.5 mm thick.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- For indoor use.
- Very low emission EMICODE EC 1 Plus.
- Emission tested building product according to DIBt principles.

PROPERTIES

Consumption	approx 200 - 300 g/m ² TKB A1/ A2, approx 450 - 550 g/m ² TKB B1/ B2, depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	No.
Specific weight	1.35 kg/l.

APPLICATION

For installing:

- fillerfree carpet
- synthetic backed carpet
- hessian-backed carpet
- needlefelt
- PVC floor covering in sheets
- CV floor covering
- linoleum up to 2,5 mm thickness
- corkment.

PROCESSING

600 EUROSTAR MULTI

Storage	Store in a cool and frost-free place (between 5° - 30 °C).
Tools	Adhesive spreader A1, A2, B1, B2 (TKB). The type of spreader depends material and subfloor.
Curing	24 hours.*
Waiting time	Linoleum and textile coverings approx. 5-10 minutes, PVC, CV coverings approx. 10-25 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. With regard to such markings any claims arising therefrom are excluded. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/BS 8203.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.
- Only use pervious floor coverings on impervious subfloors.
- When installing fillerfree carpet or linoleum on impervious subfloors apply a 2 mm levelling compound layer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- In the case of stove bars (Linoleum), the adhesive must be applied to the back of the covering with a smooth spatula (contact bonding) before the covering is placed in the adhesive bed.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, stove bars, seams or other hollow areas again approx. 15 minutes after installation.

Special instructions:

Linoleum (TKB B1)

- Insert after a flash-off time of approx. 10 - 15 minutes.
- Edges are lightly butted, not pressed.
- The work progress should be set so that a flash-off time is selected in which the adhesive ridges can still burst open to be crushed

600 EUROSTAR MULTI

and thus wet the back of the flooring.

PVC floor coverings in sheets (TKB A2)

- within the insertion time of approx. 25 minutes, but as wet bonding, immediately rub well and roll the surface vigorously.

CV floor coverings

- In this case, the toothing can be minimised to A1 (TKB) on even surfaces, thereby minimising the flash-off time.

Textile coverings and needle punched fleece (TKB B1- B2)

- within the application time of approx. 25minutes, immediately rub in well and roll the surface vigorously.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%, condition when laying linoleum.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	EAN-code	Shipping unit
600	Eurostar Multi	11 kg bucket	8 710345 600101	
600	Eurostar Multi	13 kg PE bucket		44/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132851, Version 09, Stand 2020-08-25, ersetzt Ausgabe vom 2020-02-10.

600 EUROSTAR MULTI

eurocol

644

the strong connection



EUROSTAR MULTI PLUS

Fibre-reinforced universal adhesive, easy to apply, lower consumption, short drying time, high performance.

PRODUCT TYPING

Base	Acrylate dispersion, filler, thickener, wetting agent, defoaming agent, water, preservative.
Color	White.
Consistency	Thick liquid.

- High quality, fiber-reinforced, strong, dispersion-based adhesive with long open time, which achieves a very high final strength.
- The adhesive is suitable for bonding of rubber floor coverings in sheets with sanded backing (e.g. Noraplan) as well as in tiles up to 1 m x 1 m, up to 4 mm thickness (e.g. Norament), for LVTs, vinyl- and CV- floor coverings in sheets and tiles, vinyl composite floor coverings, textile floor coverings with different backings, needle felt, linoleum in sheets and in tiles (e.g. Modular), as well for approved Eurocol insulating underlays. For chlorine-free floor coverings, please consult our application department.
- For installation on standard-compliant, fully filled, absorbent subfloors.
- Consumption-optimized.
- Recommended for improving the dimensional stability and indentation behavior of bonded floor coverings.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Shampoo resistant according to RAL 991 A2.
- For indoor use.
- Very low emission EMICODE EC 1 Plus.
- Emission tested building product according to DIBt principles.
- Low emission, low solvent according to Blue Angel UZ 113.
- EPD - Environmental Product Declaration declared by [IBU](#)
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Consumption	Linoleum and textile coverings, underlays: B1, B2 (TKB) approx. 390 g/m ² . PVC, CV coverings: A1, A2 (TKB) approx. 190 - 220 g/m ² . Elastomer coverings: A2 (TKB) approx. 220 g/m ² , also depending on the subfloor. *
Flammability	Non-flammable.
Frost resistance	No.
Special quality	Optimised consumption - up to 21% lower compared to market products. Short flash-off time - reduces the waiting time until laying. Rapid strength build-up - reduces floating and accelerates walking. Optimised adhesion to levelling compounds - higher chair castor load capacity. Optimised heat resistance - reduces joint formation or butt spikes. Optimised spreadability - easier work.
Specific weight	1.12 kg/l.

APPLICATION

For bonding of

- rubber floor coverings in sheets with sanded backing (e.g. Noraplan) as well as in tiles up to 1 m x 1 m, up to 4 mm thickness (e.g.

644 EUROSTAR MULTI PLUS

- Norament),
- LVTs,
- vinyl- floor coverings in sheets and tiles,
- CV- floor coverings,
- vinyl composite floor coverings,
- textile floor coverings with different backings, needle felt,
- linoleum in sheets and in tiles (e.g. Modular),
- Eurocol insulating underlays.

For chlorine-free floor coverings, please consult our application department.

PROCESSING

Storage	Store cool and free from frost.
Tools	Spreader A1, A2, B1, B2. (TKB)
Curing	Minimum 24 hours, depending on the subfloor and floor covering.
Waiting time	Linoleum and textile coverings approx. 5-10 minutes, PVC, CV coverings approx. 10-40 minutes, rubber 5-10 minutes.. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. With regard to such markings any claims arising therefrom are excluded. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
 - Stir before use!
 - Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
 - Coverings must be laid in the adhesive bed which is still wet.
 - The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
- When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- In the case of stove bars (Linoleum), the adhesive must be applied to the back of the covering with a smooth spatula (contact

644 EUROSTAR MULTI PLUS

- bonding) before the covering is placed in the adhesive bed.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, stove bars, seams or other hollow areas again approx. 15 minutes after installation.

Special instructions:

PVC Design Coverings/LVT, Rubber (TKB A2) and Linoleum (TKB B1)

- Insert after a flash-off time of approx. 5 - 15 minutes.
- Edges are lightly butted, not pressed.
- The work progress should be set so that a flash-off time is selected in which the adhesive ridges can still burst open to be crushed and thus wet the back of the flooring.

PVC floor coverings in sheets (TKB A2)

- within the insertion time of approx. 40 minutes, but as wet bonding, immediately rub well and roll the surface vigorously.

CV floor coverings

- In this case, the toothing can be minimised to A1 (TKB) on even surfaces, thereby minimising the flash-off time.

Textile coverings and needle punched fleece (TKB B1- B2)

- within the application time of approx. 40 minutes, immediately rub in well and roll the surface vigorously.

Adhesive Roll - System

- The adhesive, applied with a toothed strip, is immediately rolled out with Eurocol Microfibre Roller. This shortens the flash-off time and the tendency of coverings to indentations under early loading, as well as the marking of Scoring and the tendency to re-soiling

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%, condition when laying linoleum.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
644	Eurostar Multi Plus	PE bucket à 12 kg	44/pallet
644	Eurostar Multi Plus	PE bucket à 6 kg	72/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of

644 EUROSTAR MULTI PLUS

deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132644, Version 08, Stand 2023-08-31, ersetzt Ausgabe vom 2022-06-27

644 EUROSTAR MULTI PLUS

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Eurocol is part of the Forbo Group



eurocol 678

the strong connection



EUROSTAR PROJECT

Universal adhesive, wet-set bonding adhesive with extended installation time for PVC, vinyl, textile floor coverings and Linoleum. Achieves high final strengths. Consumption-optimised. Frost-resistant during transport.

PRODUCT TYPING

Base	Acrylic dispersion with mineral fillers, resins and additives.
Color	Beige.
Consistency	Thick liquid.

- High-quality, dispersion-based, wet-set adhesive with very good initial adhesion power.
- For installation of vinyl design floor coverings, LVTs, homogeneous and heterogeneous vinyl and CV-floor coverings in sheets and tiles, Linoleum, textile floor coverings with different backings, standard needle felt floor coverings.
- For laying on standard-compliant, fully levelled, absorbent subfloors.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Shampoo resistant according to RAL 991 A2.
- For indoor use.
- Frost resistant during transport.
- Very low-emission installation material certified according to EMICODE EC 1 Plus. GISCOD D 1.
- Emission-tested building product according to DIBt principles.

PROPERTIES

Consumption	Approx 200 - 490 g/m ² , depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	Yes.
Special quality	Universally usable. Frost resistant during transport. Optimised consumption - up to 20% lower compared to market products.
Specific weight	1.2 kg/l

APPLICATION

For installation of

- vinyl design floor coverings, LVTs,
- homogeneous and heterogeneous vinyl-floor coverings in sheets and tiles,
- CV-floor coverings,
- textile floor coverings with different backings, standard needle felt floor coverings.

PROCESSING

Storage	Store cool and free from frost.
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678 EUROSTAR PROJECT

Tools	Spreader A1-A2, B1-B2 (TKB). Type of spreader depends on the floor covering.
Curing	Approx 48 hours. *
Open time	Approx 60 minutes *
Waiting time	Approx 30-40 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded. With regard to such markings any claims arising therefrom are excluded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>EMICODE, for more information: www.emicode.com</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), the type of floor covering, temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 30 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE

678 EUROSTAR PROJECT



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
678	Eurostar Project	PE bucket à 12 kg	44/pallet

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BG132895, Version 05, Stand 2022-10-27, ersetzt Ausgabe vom 2022-07-28

678 EUROSTAR PROJECT

RELEASE SYSTEMS AND **CONTACT ADHESIVES**

the strong connection

eurocol 225

the strong connection



EUROSOL PU CONTACT

Contact adhesive, PUR base - transparent - discolouration-free, very high immediate contact bonding power, contains solvents.

PRODUCT TYPING

Base	Polyuretha in solvent.
Color	Translucent.
Consistency	Thick liquid.

- Solvent-containing PUR-based, thermally reactivable contact adhesive with very high initial contact bonding power for temperature resistant contact adhesion of a great variety of materials such as metal, glass, ceramics, plastics (ABS, vinyl, acrylic) wood, leather, hardboard, rubber etc.
- In floor covering installation: it can be used for wooden skirting boards, rubber or vinyl stair nosings, grooving profiles, floor covering.
- Also used for installation of homogenous vinyl, rubber, leather and cork floor coverings, linoleum according to floor covering manufacturer's instructions.
- GISCODE S 1. Please check Safety Data Sheet!

PROPERTIES

Consumption	100 - 150 g/m ² , when fixed two-sided.
Flammability	Contains a highly flammable solvent.
Special quality	Adhesive is discolouration-free and is characterised by very high plasticizer resistance.

APPLICATION

can be used for the installation of

- wooden skirting boards
- rubber or vinyl stair nosings
- grooving profiles
- floor covering

from the following materials

- vinyl
- rubber
- leather
- linoleum

PROCESSING

Storage	Store dry and free from frost. (5 - 30°C). Protect against high temperatures.
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225 EUROSOL PU CONTACT

Tools	Adhesive spreader A4 or brush.
Curing	Approx. 24 hours.*
Open time	Approx. 15 minutes contact bonding time.
Waiting time	5 minutes.*
Drying	24 hours.*
Shelf Life	Approx 12 months, in unopened packaging. After use close the open packaging well.
Cleaner	Acetone.
Application temperature	Recommended 3 grd above dew point temperature.
Remarks	Adhesive contains highly volatile, flammable solvents. In combination with air, the adhesive could turn into an explosive mixture which could lead to a high concentration especially at the lowest point of the room! Please pay attention to the safety data sheet. We refer to the regulation on hazardous substances §16. Please check the possibility of using solvent-free products for your installation work, e.g. Eurocol 650 Eurostar Fastcol. Relevant norms and regulations of the regions are to be respected. Outside Germany relevant national regulations are to be applied, which have to be known by the user.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures.
- In case of defects, objections are to be reported in writing.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir well before use!
- Apply a thin layer of adhesive on the subfloor and backing of the material to be fixed with a brush or a fine-notched adhesive trowel.
- The airing time and contact bonding time depend on the quality of the subfloor, the amount of applied adhesive, the room temperature and the air humidity in the room. Avoid puddles which prolong the drying time significantly. After having installed the floor covering, rub it down well, especially along the seams. Correction is not possible after installation.
- Spilt adhesive is to be removed immediately and carefully with acetone (solvents).
- Reactivating the adhesive film is possible by heating the film up to approx. 70 °C. Doing it this way, profiles or tiles can be treated with adhesive already some hours before the installation. Heating the film is especially recommended for getting a perfectly clean bonding at the edges and along the seams.
- Insure sufficient ventilation!

Processing conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

ENVIRONMENT AND HEALTH

GISCODE	S1
LEED	VOC 668,8 g/l
DGNB	VOC 76 %
Hazard Class	Contains hazardous ingredients. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.

ITEM DATA

Article	Productname	Packaging	Shipping unit
225	Eurosol PU Contact	5 kg tin bucket	75/pallet

225 EUROSOL PU CONTACT

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BG115225, Version 01, Stand 2020-02-03, ersetzt Ausgabe vom ----

225 EUROSOL PU CONTACT

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eurocol 232

the strong connection



EUROSOL MONTAGE

Mounting adhesive, fixing skirtings, joint filling glue. Contains solvents.

PRODUCT TYPING

Base	Synthetic rubber in solvent. Filler.
Color	White.
Consistency	Pasty.

- Elastically curing mounting adhesive, allows materials to be positioned for accurate alignment especially for installation of wooden or hard-vinyl skirting boards. Also used for joint sealing and installation of chip and gypsum-boards, gypsum plasterboards, insulation and acoustic panels.
- For installation of construction boards, window seats made of plastic, natural stone or composite materials.
- Excellent adhesion properties on concrete, wood materials, clean metal surfaces.
- Not for styropor.
- GISCODE S 1. Please check safety data sheet!

PROPERTIES

Consumption	ca. 20 – 40 ml/rm
Flammability	Contains a highly flammable solvent.
Special quality	White. No discoloration.

APPLICATION

- for the installation of skirtings made of wood and rigid PVC
- for attaching chipboard, gypsum and plasterboard
- for fixing panels, insulation and acoustic panels

PROCESSING

Storage	Store dry and free from frost. (5 - 30°C). Protect against high temperatures.
Tools	Cartridge gun.
Curing	2 - 4 days, depending on application thickness.
Waiting time	5-10 minutes.*
Shelf Life	Approx 12 months, in unopened packaging. After use close the open packaging well.
Cleaner	Acetone.
Remarks	Technical information and safety data sheets of other laying materials and floorings/parquet must be observed! The instructions of the respective profile manufacturers must be observed, especially when

232 EUROSOL MONTAGE

gluing stair nosing edges. In case of doubt, the adhesive side must be degreased/cleaned of exudates. In high humidity, a moisture precipitation can form on the drying adhesive near the dew point temperature, which then hinders contact bonding. In such cases, briefly apply warm air to the adhesive surfaces. Ensure sufficient ventilation of the work rooms!
The adhesive contains highly volatile and flammable solvents which, when combined with air, form explosive mixtures which collect at the lowest point.

We refer to the Ordinance on Hazardous Substances § 16, Duty of investigation. Please check whether the work to be performed can be carried out with solvent-free products.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures.
- In case of defects, objections are to be reported in writing.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Remove the lid of the cartridge edge and cut the membrane of the cartridge exit off. Screw the top of the nozzle off and cut it according to the desired width.
- Apply the adhesive as dots or waves on the backing of the material or on the subfloor. The amount of adhesive depends on how even the subfloor is.
- Press both sides together immediately to get the adhesive on both sides, separate both sides again, allow them to rest for 5 - 10 min, press them together and rub them down well. Pressing both sides together should be done before the adhesive develops a skin, otherwise the adhesion power cannot be guaranteed.

Processing conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

ENVIRONMENT AND HEALTH

GISCODE	S1
LEED	VOC 299 g/l
DGNB	VOC 24 %
Hazard Class	Contains hazardous ingredients. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.

ITEM DATA

article	productname	packaging	shipping unit
232	Eurosol Montage	PE cartridge à 0,31 l	12/box 1440/pallet

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232 EUROSOL MONTAGE

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG113010, Version 04, Stand 2018-11-20, ersetzt Ausgabe vom 2007-12-17

232 EUROSOL MONTAGE

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Eurocol is part of the Forbo Group



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the strong connection



EUROSOL CONTACT

Contact adhesive, very high immediate contact bonding power.
Contains solvents.

PRODUCT TYPING

Base	Synthetic rubber in solvent.
Color	Cream.
Consistency	Thick liquid.

- Solvent-contained, thermally reactivable contact adhesive with very high initial contact bonding power for temperature resistant contact adhesion of a great variety of materials such as metal, glass, ceramic, plastics (ABS, PVC, Acrylic) wood, leather, hardboard, rubber etc.
- In floor covering installation for wooden skirting boards (rubber) stair nosings, groove profiles, floor covering.
- Also used for installation of homogenous vinyl, rubber, leather and cork floor coverings, linoleum according to floor covering manufacturer's instructions.
- GISCODE S 1. Please check safety data sheet!
- High initial adhesion strength
- Fast drying
- High final bond strength
- Favourable spreading capacity

PROPERTIES

Consumption	200 - 250 g/m ² , when fixed two-sided.
Flammability	233 Eurosol Contact contains a highly flammable solvent. Do not smoke during application, do not expose to open flame, extinguish pilot lights and ventilate thoroughly.
Sensitive to frost	Yes.
Specific weight	0.85 kg/l.

APPLICATION

For the two-sided installation of:

- rubber
- homogeneous PVC
- plastic profiles
- linoleum
- leather, board, cork
- carpet
- foam-rubber.

PROCESSING

Storage	Protect against high temperatures.
Tools	Adhesive spreader A4 or brush.
Curing	24 hours.*
Open time	2 hours.*
Waiting time	5-15 minutes.*
Shelf Life	Approx 12 months, in unopened packaging. After use close the open packaging well.
Cleaner	Acetone.
Application temperature	Recommended 3 grd above dew point temperature.
Remarks	Relevant norms and regulations of the branch are to be respected. Outside Germany relevant national regulations are to be applied which have to be known by the user.

The instructions of the respective profile manufacturers must be observed, especially when gluing stair nosing edges. In case of doubt, the adhesive side should be degreased/cleaned of exudates. In high humidity, a moisture precipitation can form on the drying adhesive near the dew point temperature, which then hinders the contact bonding. In such cases, briefly apply warm air to the adhesive surfaces. Contains highly volatile, flammable solvents. In combination with air, the adhesive could turn into an explosive mixture which could lead to a high concentration especially at the lowest point of the room! Please pay attention to the safety data sheet. Ensure sufficient ventilation of the work rooms! We refer to the Ordinance on Hazardous Substances §16. Please check the possibility of using solvent-free products for your installation work e.g. Eurocol 650 Eurostar Fastcol

233 EUROSOL CONTACT

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 233 Eurosol Contact is suitable for any type of subfloor that has a good tensile and compression strength.
- The subfloor should also be clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

Before use, temper the product according to the processing conditions.

- Stir the adhesive well before use.
- Apply the adhesive on the subfloor and back of the material to be fixed with a brush or adhesive spreader A2.
- Allow the adhesive to dry for 15 minutes (depending on temperature, relative humidity, subfloor and material).
- Place the material on the subfloor and press, roll or hammer firmly.
- After mixing adjustments are not longer possible.
- Remove fresh spots immediately with white spirit.
- Do not smoke during application, do not expose to naked flame, extinguish pilot lights and ventilate thoroughly.

Working conditions:

Required surrounding temperature : 18° - 23 °C.

Material and subfloor temperature : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Underfloor heating systems:

233 Eurosol Contact can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after installation, in steps of 5 °C per day.

ENVIRONMENT AND HEALTH

GISCODE	S1
LEED	VOC 663 g/l
DGNB	VOC 79 %
Hazard Class	3-Sc ADR/VLG-adhesives/ UN-code 1133.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains Rosin.Can cause allergic reactions.

ITEM DATA

Article	Definition	Packaging	EAN-code	shipping unit
233	Eurosol Contact	10 kg metal drum	8 710345 233057	42/pallet
233	Eurosol Contact	5,5 kg metal drum	8 710345 233095	70/pallet
233	Eurosol Contact	0.65 kg metal drum	8 710345 233071	8 drums/box, 392 drums/pallet

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BG114010, Version 04, Stand 2016-11-17, ersetzt Ausgabe vom 2014-02-26

233 EUROSOL CONTACT

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541

the strong connection

EUROFIX ANTI SLIP

Anti-slip Tackifier, also suitable for electrically conductive application.

PRODUCT TYPING

Base	Acrylic dispersion.
Consistency	Liquid.

- Rollable, permanently adhesive dispersion.
- For slip-resistant fixing of removable, dimensionally stable carpet tiles with bitumen-PVC-/CV or PUR heavy duty coating. Preferred for the installation of loosely laid carpet tiles in accordance with manufacturer's specifications..
- Can also be used for antistatic coated removable tiles in combination with Additive 841 Europrimer EC.
- For laying on standard-compliant, fully levelled, absorbent subfloors, on raised and cavity floors.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- For indoor use.
- Very low emission EMICODE EC 1.
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Consumption	approx. 100 - 150 g/m ² depending on the substrate.
Flammability	Non-flammable.
Frost resistance	No.
Special quality	For removable coverings. Also conductively configurable.
Specific weight	1.02 kg/l.

APPLICATION

For slip-resistant fixing of loosely laid, removable, dimensionally stable carpet tiles with bitumen-PVC-/CV or PUR heavy duty coating.

PROCESSING

Storage	Store cool and free from frost.
Tools	Microfibre roller.
Curing	Approx. 24 hours.*
Open time	24 hrs. *
Waiting time	Approx 60 minutes.* After application wait for the material to set-off (get transparent).
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.

541 EUROFIX ANTI SLIP

Remarks

Technical information and safety data sheets of any laying materials and floor coverings used must be observed!

Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.

When laying with Eurocol 541 Eurofix Anti Slip, there is no guarantee that the coverings will be able to resume without sticking.

If the flooring is laid on existing flooring, the possibility of changes in the colour of the flooring cannot be excluded.

Removing the fixings from existing floor coverings can lead to damage to these coverings.

A possible joint formation of the flooring can also be reduced by the application of a fixation.

For tiles with fleece backing, please consult our application technology department. Eurocol recommends the use of Eurocol 542 Eurofix Tack Plus.

EMICODE, further information at www.emicode.com.

Wear protective gloves / eye protection.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- When laying on access flooring elements, care must be taken to ensure that they are not affected by adhesion-reducing layers (protective primer or similar).
- Element joints are to be protected against the penetration of fixation.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Eurocol 541 Eurofix Anti Slip it to be applied equally on the sub-floor with Aqua Sealing Roller.
Allow Eurocol 541 Eurofix Anti Slip to dry to a clear, tacky film before placing the carpet tiles in position. Press firmly from the center outwards and pay particular attention to the edges. The tiles are to be installed after the airing time (a clear, tacky film should appear).
Depending on the room temperature, relative air humidity and amount of Eurocol 541 Eurofix Anti Slip, airing time can vary.
Please respect sufficient airing time, as otherwise, the bonding power would be too strong and can make the plates difficult to be lifted and removed later on.
- For electrically conductive systems: mix 100 parts of Eurocol 541 Eurofix Anti Slip with 35 parts of Eurocol 841 Europrimer EC to create a homogenous mixture use an electric mixer, i.e. 1 bucket à 10 kg of Eurocol 541 Eurofix Anti Slip with 1 bucket à 3,5 kg of Eurocol 841 Europrimer EC.
Use the whole amount of ready-made mixture. If otherwise, the mixture has to be stirred well again after being stored for a while.
- To ground the electrically conductive construction, install a potential equalization every 30 m² using Eurocol 801 Eurostrip EC.
- The tiles can be easily lifted and replaced again if procedures are well followed.
Please avoid contaminating materials or dust on the top film created with Eurocol 541 Eurofix Anti Slip as it may reduce the bonding power.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

541 EUROFIX ANTI SLIP

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Productname	Packaging	Shipping unit
541	Eurofix Anti Slip	PE bucket à 10 kg	44/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132822, Version 07, Stand 2022-03-15, ersetzt Ausgabe vom 2021-05-20

541 EUROFIX ANTISLIP

eurocol

542

the strong connection



EUROFIX TACK PLUS

Very low-emission fixation with permanent adhesive power for absorbable, non-slip installation of carpet tiles and loose-lay PVC floors or other floor coverings with a PVC backing on flat absorbent and non-absorbent subfloors. Also suitable for bonding 820 DIM Floor. Easy to roll and therefore ergonomic processing. Thanks to EMICODE EC 1PLUS (very low emissions) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Acrylic dispersion.
Color	White.
Consistency	Liquid.

- EMICODE EC 1PLUS (very low emission)
- Ergonomic processing
- Non-flammable
- Easy removal
- Favourable spreading capacity
- Permanent adhesion

PROPERTIES

Classification	GEV-EMICODE EC 1PLUS (very low emissions) tested in accordance with EN 13999-2/4. Suitable for BREEAM projects.
Colour palette	White
Consumption	On impervious subfloors : 50 - 100 g/m ² . On porous subfloors : 100 - 150 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.04 kg/l.

APPLICATION

For absorbent, non-slip installation of carpet tiles and loose-lay PVC floors or other floor coverings with a PVC backing on flat absorbent and non-absorbent subfloors. Also suitable for gluing 820 DIM Floor (a sound-insulating decoupling mat).

PROCESSING

Storage	Cool and dry, well sealed at normal temperature (5° - 30 °C).
Tools	Lambswool roller or brush. Can be sprayed.

542 EUROFIX TACK PLUS

Waiting time	Approx 60 minutes.* After application wait for the material to set-off (get transparent).
Shelf Life	15 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>When laying there is no guarantee that the coverings will be able to resume without sticking. If the flooring is laid on existing flooring, the possibility of changes in the colour of the flooring cannot be excluded.</p> <p>Removing the fixings from existing floor coverings can lead to damage to these coverings. A possible joint formation of the flooring can also be reduced by the application of a fixation.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 542 Eurofix Tack Plus is suitable for any type of subfloor that has a good tensile and compression strength.
- The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Application is also possible on old and smooth floor covering, such as linoleum. Before application degrease the old floor covering thoroughly.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply 542 Eurofix Tack Plus equally in the recommended quantity on the subfloor with a lambswool roller or brush. This product can also be sprayed.
- Apply the carpet tiles or loose-lay floor system as soon as 542 Eurofix Tack Plus sets-off (gets transparent). Depending on temperature, relative humidity and subfloor the waiting time is approx. 60 minutes.
- Wait for 20-30 minutes before fixing the 820 DIM Floor mats. Then roll carefully and rub well.
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40-80%.

Underfloor heating:

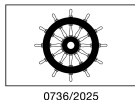
542 Eurofix Tack Plus can be applied on underfloor heating. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater or switch low 24 hours before fixation. Do not heat again until at least 24 hours after fixation, in steps of maximum 5 °C water temperature per day. Make sure that the floor temperature does not exceed 29 °C.

Further information:

- Keep out of reach of children.
- Ventilate the room thoroughly during and after the processing and drying process.
- Do not eat, drink or smoke while processing this product.
- Avoid contact with eyes and skin and use suitable protective equipment.
- In the event of contact with eyes or skin, flush with plenty of water immediately.
- Dispose of product residues and cleaning water in accordance with local environmental regulations and do not dispose of them in the sewer.
- Only return packaging for recycling after removing any residues. Dried material residues can be disposed of in household waste.
- For detailed information about safety measures, please refer to the safety data sheet on our website www.eurocol.nl.
- The product contains 1,2-benzisothiazol-3(2H)-one, a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May cause an allergic reaction.

QUALITY AND GUARANTEE

542 EUROFIX TACK PLUS



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247- 500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

ITEM DATA

Article	Definition	Packaging	EAN-code
542	Eurofix Tack Plus	10 kg jerry can	8 710345 542104

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

542 EUROFIX TACK PLUS

eurocol

546

the strong connection



EUROFIX TACKIFIER

Universal fixation for the removable installation of cushion vinyl, carpet tiles or floor covering in strips with a flat PVC, foam or fleece backing on preferably a leveled surface. It is also possible to fix a new covering on wooden panels or a flat, cleaned, existing floor finish; such as linoleum, cushion, vinyl, PVC. Easy to roll and therefore ergonomic processing. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects

PRODUCT TYPING

Base	Acrylic dispersion.
Color	White.
Consistency	Thick liquid.

- High quality, rollable, after drying permanently self-adhesive coating for full area fixation of vinyl and textile floor coverings (also with felt backing).
- For laying on standard-compliant, fully levelled, absorbent subfloors and non-absorbent (also existing, cleaned, full- area glued down floor-coverings) subfloors.
- Ideal for private use in do-it-yourself application when easy floor covering removal (e.g. for renovation) is required.
- Non-flammable
- Permanent high adhesion
- Easy removal
- Favourable spreading capacity
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- For indoor use.
- Very low emission EMICODE EC 1PLUS.
- Declared by [baubook](#), "ecological building product".

PROPERTIES

Consumption	On impervious subfloors: 100 - 150 g/m ² . On absorbent subfloors: 100 - 200 g/m ² .
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.2 kg/l.

APPLICATION

Release-bond adhesive for the installation on smooth subfloors of:

- cushion vinyl
- PVC backed carpet.

PROCESSING

Storage	Store free from frost. Protect against high temperatures.
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546 EUROFIX TACKIFIER

Tools	Lambswool roller or fine-notched adhesive spreader.
Curing	24 hours.*
Waiting time	40 minutes.* After application wait for the material to set-off (get transparent).
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>When laying there is no guarantee that the coverings will be able to resume without sticking. If the flooring is laid on existing flooring, the possibility of changes in the colour of the flooring cannot be excluded.</p> <p>Removing the fixings from existing floor coverings can lead to damage to these coverings. A possible joint formation of the flooring can also be reduced by the application of a fixation.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 546 Eurofix Tackifier is suitable for any type of subfloor that has a good tensile and compression strength.
- The subfloor should also be even, clean, permanently dry and free from grease and dirt according to the requirements of BS 8203 or DIN 18 365.
- When applying cushion vinyl all non-self-supporting or self-supporting, not or insufficiently ventilated floors above the ground and non-self-supporting floors below the ground, but above the groundwater level, must be provided with a water vapour-tight moisture barrier (e.g. 3 coats of 026 Euroblock Multi).
- When applying cushion vinyl on non-self-supporting floors below the ground level and in the groundwater, a sufficiently thick coating of cast asphalt must be applied.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- Existing floor coverings must be firmly connected to the subfloor.
- Parquet flooring must be sealed free of defects and waterproof.
- Old separating layers, such as floor polish, old care product films, which can reduce adhesion, must be removed.
- To make it easier to remove the fixation when changing the flooring at a later date, it is recommended that after removing old care products, the existing flooring is treated again with suitable Eurocol care products (e.g. 898 Eurocare Longlife) before the fixation is applied.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

Before use, temper the product according to the processing conditions.

Stir before use!

- Apply 546 Eurofix Tackifier on the subfloor with a lambswool roller or fine-notched adhesive spreader in the recommended quantity.
- Wait for the adhesive to dry (fully transparent) before installing the floor covering.
- Thereafter roll the floor covering well and press firmly.
- Before applying 546 Eurofix Tackifier on old and smooth floor covering check the adhesion of the floor covering. Thereafter degrease the old and smooth floor covering thoroughly with 014 Euroclean.
- When fixing on anhydrite floors apply a coat 049 Europrimer ABS with a lambswool roller and allow to dry for 24 hours.
- In general the floor covering can easily be removed from the subfloor afterwards.
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40-70%.

Underfloor heating systems:

546 Eurofix Tackifier can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 48 hours after installation, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE

546 EUROFIX TACKIFIER

ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Definition	Packaging	shipping unit	EAN-code
546	Eurofix Tackifier	13 kg bucket	44/pallet	4 026956 162605
546	Eurofix Tackifier	3 kg bucket	120/pallet	4026956154747

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BG132819, Version 13, Stand 2020-08-26, ersetzt Ausgabe vom 2019-07-18.

546 EUROFIX TACKIFIER

eurocol 650

the strong connection



EUROSTAR FASTCOL

Very low-emission, strongly adhesive dispersion contact adhesive for double-sided bonding of, for example, carpet on stairs, PVC stair nosings and skirting boards, rubber stair nosings, cork floor coverings, etc. Also suitable for bonding various types of wall carpets or, for example, leather on the wall.

PRODUCT TYPING

Base	Superior polymer dispersion.
Color	Cream.
Consistency	Thick liquid.

- Very low emission
- Emicode EC 1 PLUS
- Powerful enough to bear high tensions
- High initial adhesion strength
- Reactivate through warmth
- Tool included

PROPERTIES

Consumption	255 g/m ² per coat.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.38 kg/l.

APPLICATION

For the two-sided fixing of:

- carpet on stairs
- PVC nosing
- PVC adhesive skirting
- rubber nosing
- hollow skirting of hard floor covering
- cork floor covering
- wall covering with a foamed back for sport halls.

PROCESSING

Storage	Store cool and free from frost. Recommended temperature between 15 - 25 °C.
Tools	Texture roller (included).

650 EUROSTAR FASTCOL

Curing	24 hours.*
Open time	After drying of the adhesive approx. 4 hours.*
Waiting time	After total drying of the adhesive place adhesive parts together.
Drying	Depending on temperature and relative humidity. Drying time at an airflow of approx. 20 °C is approx. 20 minutes. Drying time without a device is 1 - 2 hours.*
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed! The instructions of the respective profile manufacturers must be observed, especially when gluing stair nosing edges.</p> <p>In case of doubt, the surface to be bonded must be degreased/cleaned of exudates.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 650 Eurostar Fastcol is suitable for any type of subfloor that has a good tensile and compression strength.
- The subfloor should also be even, clean, permanently dry and free from grease and dirt, and other pollutions according to the requirements of BS 8203 or DIN 18 365.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

Before use, temper the product according to the processing conditions.

Stir before use!

- Apply the adhesive on the material and the subfloor (e.g. stairs, PVC, rubber) with the enclosed texture roller and let dry completely.
- Drying time of the adhesive can considerably be reduced to approx. 20 minutes by using a ventilator with an fan of approx. 20 °C. Without a device the drying time is 1 - 2 hours at 20 °C.
- After drying of the adhesive the open time is still approx. 4 hours.
- It is possible to pre-roll the material approx. 4 days before fixing. On the day of fixing roll the subfloor with 650 Eurostar Fastcol and let dry.
- In case both adhesive layers are dry and the open time has expired an optimal adhesion can be realised by heating these adhesive layers with e.g. a welding dryer, infrared radiator or gas flame for a short period.
- Place both heated adhesive parts together and press carefully.
- Afterwards it is possible to make adjustments by heating the material are again and subsequently press carefully.
- The adhesion of the fixing depends on the application of sufficient adhesive (texture roller).
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Underfloor heating systems:

650 Eurostar Fastcol can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before installation. Do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone. May produce an allergic reaction.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE

D1

650 EUROSTAR FASTCOL

LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Texture roller with synthetic holder included.

Article	Definition	Packaging	EAN-code
650	Eurostar Fastcol	7.5 kg Bucket	8 710345 650106

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132579, Version 07, Stand 2018-09-04, ersetzt Ausgabe vom 2013-03-13.

650 EUROSTAR FASTCOL

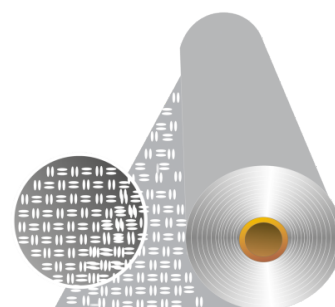
eurocol

805

the strong connection

SARLIBASE TE

Decoupling underlay,
New - on - old installation. Moisture barrier.



PRODUCT TYPING

Base	Compact PVC.
Color	Gray.
Format	Length 35 m. Width 2 m. Thickness 1,5 mm.

- Compact PVC underlay with embedded glass fibre fleece, with dimple equipment on the underside for under-ventilation in sheets.
- For decoupling floors with residual moisture, after water damage, with dirt, with old adhesive layers (e.g. sulphite lye, bitumen adhesives), as well as a renovation underlay for new-on-old installation.
- Underlay for bonding textile, PVC and CV coverings in strips.
- The decoupling underlay can be used on cement screeds up to approx. 5CM%, on calcium sulphate-bound screeds up to approx. 1.5CM%.
- for bridging cracks in the substrate up to 0.5 mm
- adhesive-friendly surface
- can be glued directly with floor coverings
- impact sound absorbing
- low installation height
- especially for renovation work
- easy to process, loose to lay, easy to remove
- For indoors.

PROPERTIES

Weight	1,3 kg/m ² .
Bureau Wheelchair resistance	Suitable for use underneath castor chairs. EN 425:2002.
Frost resistance	Yes.
Humidity resistance	Very good, fungistatic, bacteriostatic.
Special quality	Decoupling of wet substrates. An existing substrate will not be damaged, natural stone, linoleum, parquet or other will be fully recovered after a different use, since interactions of the 805 Sarlibase TE decoupling carpet pad are not expected.
Fire class	: C fl - s1. (EN13501-1).
Noise reduction	: Approx ca. 7 dB.

APPLICATION

For decoupling floor coverings from the substrate.

For temporary installation of floor coverings on existing floors to preserve them.

805 SARLIBASE TE

PROCESSING

Storage	Store cool and dry, standing in unopened packaging.
Sound reduction	Approx ca. 7 dB.
Waiting time	None.
By drying	Immediately usable
Moisture resistance	Very good, fungistatic, bacteriostatic.
Shelf Life	Minimum 72 Months, in unopened packaging.
Remarks	If floor coverings suitable for castor chairs are bonded, the entire construction with the 805 Sarlibase TE decoupling underlay is also suitable for castor chairs (DIN 68131). In case of underfloor heating, pay attention to the changed thermal resistance of the construction.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, even.
- Minor unevenness or cracks up to 0.5 mm are bridged by the installation.
- The installation materials used must be suitable for the substrate and the intended use.

Instruction manual:

- 805 Sarlibase TE Roll out, roughly cut to size and lay loosely in the room in the same way as for laying floor covering. The installation is carried out butt-jointed to the floor covering to be installed.
- In angled rooms or in the door area, the sheet can be fixed with double-sided adhesive tape to prevent slipping when laying the top floor.
- Leave a gap of at least 5 - 10 mm to rising building components (the use of ventilating skirting boards must be planned) to ensure unhindered ventilation of existing residual moisture.
- In the case of damp substrates, the joint is taped on the top side with a self-adhesive aluminium tape, resistant to plasticisers. This prevents moisture from penetrating into the upper covering construction via the joint.
- When used on dry substrates, masking with paper tape, resistant to plasticisers, is sufficient to prevent the adhesive from penetrating the joint area.
- For bonding, use suitable Eurocol adhesives approved for bonding to dense substrates. For vapour-tight coverings, allow the adhesive to flash off until transparent. Moisture must no longer be trapped within the adhesive groove! It is recommended to use the rolling technique to apply the adhesives.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

ENVIRONMENT AND HEALTH

Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
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ITEM DATA

Article	Productname	Packaging
805	Sarlibase TE	roll à (35*2) m

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

805 SARLIBASE TE

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG144565, Version 05, Stand 2022-08-01, ersetzt Ausgabe vom 2020-12-21.

805 SARLIBASE TE

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Eurocol is part of the Forbo Group



STATIC CONDUCTIVE **SYSTEMS**

the strong connection

eurocol 041

the strong connection



EUROPRIMER EC

Current-conducting, ready-to-use primer to replace a very extensive copper strip system on a levelled substrate. As a rule, it will not be necessary to apply and earth more than 1 metre of 801 Eurostrip EC per 30 m². Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects. Suitable for indoor use.

PRODUCT TYPING

Base	Acrylic dispersion. Carbon black.
Color	Black.
Consistency	Thin liquid.

- Non-flammable
- Favourable spreading capacity
- Electrical resistance < 3.10⁵ Ohm (EN 13 415)

PROPERTIES

Consumption	120-150 g/m ² .
Electrical resistance	< 3x10 Exp. 5 Ohm, measured in accordance with EN 13 415.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.0 kg/l.

APPLICATION

- Primer for replacing the copper strip system when installing a conductive floor covering.
- In combination with conductive floor covering and conductive adhesives an adequate conductivity resistance will be achieved.
- Normally it is not necessary to apply and earth more than 1 m¹ of 801 Eurostrip EC per 30 m². Provide larger surfaces with a ring pipe, with each section is not larger than 30 m².
- 041 Europrimer EC is not suitable for application under Nora rubber.

PROCESSING

Storage	Store cool and free from frost.
Tools	Lambswool roller or brush.
Drying	3-5 hours.*
Shelf Life	Approx 12 months, in unopened packaging. After use close the open packaging well.

041 EUROPRIMER EC

Cleaner	Water.
Remarks	Please pay attention to the technical data sheet and safety data sheet issued by the floor covering manufacturer. Ensure that the levelling under the floor covering is sufficiently thick. 041 EC Europrimer reduces the absorbency of the subfloor, therefore, in case of floor coverings that allows the penetration of water vapor, allow correspondingly longer drying times for the adhesive.
	EMICODE, for further information see www.emicode.com .

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 041 Europrimer EC is suitable for any type of subfloor that has a good tensile and compression strength. The subfloor should also be even, clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Under floor coverings it is always necessary to fill with a Eurocol levelling compound, adapted to the intended use, to ensure even and absorbent surfaces.
- Prime anhydrite floors with 049 Europrimer ABS, thereafter with 041 Europrimer EC.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Shake the primer well before use.
- Apply 041 Europrimer EC evenly and covered with a lambswool roller and/or brush on the entire surface of the subfloor.
- Always earth 041 Europrimer EC with 801 Eurostrip EC. Apply on every 30 m² 1 running metre 801 Eurostrip EC and ring pipe. On larger surfaces proportionally more copper strip should be used. The copper strips are to be earthed by an electrician.
- Remove fresh spots immediately with water.

Working conditions:

Intended surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Definition	Packaging	shipping unit	EAN-code
041	Europrimer EC	10 kg jerry can	60/pallet	8 710345 041010

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on

041 EUROPRIMER EC

handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG138011, Version 05, Stand 2020-01-10, ersetzt Ausgabe vom 2018-08-22

041 EUROPRIMER EC

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Eurocol is part of the Forbo Group



eurocol

523

the strong connection

EUROSTAR TACK EC

Conductive adhesive for PVC and textile, conductive wet-set adhesive, very fast applicable, very high final strength, multipurpose.

PRODUCT TYPING

Base	Acrylic dispersion.
Color	Gray.
Consistency	Thick liquid.

- Dispersion-based, carbon-fiber containing conductive adhesive for electrically conductive installation of floor coverings according to floor covering manufacturer's instructions.
- For bonding of electrically conductive vinyl (e.g. Colorex), textile floor coverings, needle felt.
- For laying on standard-compliant, fully levelled, absorbent subfloors in combination with 041 Europrimer EC and/ or Copper Tape 801 Eurostrip EC net.
- Electrical resistance $< 3 \cdot 10^{-5}$ Ohm (EN 13 415).
- Quickly setting and with high final strength.
- The product can be used on underfloor heating.
- Suitable for use with chair castors according to DIN EN 12529.
- Suitable for shampooing according to RAL 991 A2.
- For indoor use.
- Very low emission laying material certified according to EMICODE EC 1 Plus.
- Emission-tested construction product according to DIBt principles.

PROPERTIES

Consumption	250 - 400 g/m ² , depending on the back of the floor covering and condition of the subfloor.
Flammability	Non-flammable.
Frost resistance	No.
Special quality	electrically conductive
Specific weight	1.23 kg/l

APPLICATION

For bonding of

- electrically conductive vinyl (e.g. Colorex),
- electrically conductive textile floor coverings, needle felt.

PROCESSING

Storage	Store cool and free from frost.
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523 EUROSTAR TACK EC

Tools	Spreader S1/S2 (TKB). Type of spreader depends on the floor covering.
Curing	24 hours.*
Open time	Approx 20 minutes. *
Waiting time	App. 5-20 minutes. *
Shelf Life	Approx 15 months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Do not weld the coverings until the following day at the earliest.</p> <p>In order to minimise residual impressions as far as possible, resilient floor coverings should always be placed in the wet adhesive bed and immediately rubbed down well to completely crush the adhesive ridges. If the insertion time is exceeded, during which the adhesive grooves can still be completely squashed, standing grooves remain which can mark the top side of thin coverings or be squashed under point loads. This leads to visible deformations in the floor covering structure. With regard to such markings any claims arising therefrom are excluded. The work progress is to be set up in such a way that a flash-off time, at wetting of the reverse side of the flooring is guaranteed, is not exceeded.</p> <p>In the case of textile coverings, attention must be paid to the dimensional stability when exposed to moisture (shrinkage). When bonding textile coverings without fillers, a flash-off time of approx. 20 minutes must be observed to prevent the still wet adhesive from "sticking" into the back of the covering.</p> <p>The electrical conductivity is measured after the final setting. EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/ BS 8203.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- For the application of conductive systems, the respective instructions of the floor covering manufacturers must be observed!
- If no special requirements are to be made, should the floor be primed with 041 Europrimer EC.
- Use 1m of 801 Eurostrip EC for each 30 m². Glue the strips into the dried primer/levelling compound.
- Alternatively, the copper stripe can be applied directly onto the levelling compound. The individual copper strips must be connected to each other by means of cross-connection. In this case it is not necessary to apply the 041 Europrimer EC.
- Grounding should be made by an authorized electrician.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- Stir before use!
- Depending on the type of flooring, apply the adhesive with a notched trowel to the subfloor over the entire surface and evenly without adhesive nests. The back of the flooring must be completely wetted with adhesive in scored format. Worn-out spatulas need to be replaced in time to guarantee the minimum adhesive consumption.
- Coverings must be laid in the adhesive bed which is still wet.
- The necessary flash-off time depends on the amount of adhesive (toothed strip), temperature, humidity and the absorbency of the subfloor.
When finger-testing, the adhesive must have a soft centre, must be tacky, pull threads, but must not smear.
- Depending on the room climate and the absorbency of the substrate, the air-conditioned covering should be pushed into the adhesive bed immediately or after the flash-off time specified in the technical data, rubbed in and rolled on. Air pockets under the covering must be avoided or removed immediately.
- Head ends and non-flat covering edges must always be rolled in.
- If necessary, rub or roll the top ends, seams or other hollow areas again approx. 15 minutes after installation.

Working conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

523 EUROSTAR TACK EC

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

artikel	productname	packaging	shipping unit
523	Eurostar Tack EC	PE bucket à 12 kg	44/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG132810, Version 06, Stand 2019-04-06, ersetzt Ausgabe vom 2013-05-07.

523 EUROSTAR TACK EC

eurocol

615

the strong connection



EUROSTAR LINO EC

Very low-emission, fast-setting, current-conducting linoleum adhesive for installing current-conducting linoleum (including Ohmex) on a levelled subfloor in combination with 801 Eurostrip EC and 041 Europrimer EC. Conductive resistance: $< 3 \cdot 10^5 \Omega$. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects. Suitable for indoor use.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	Grey.
Consistency	Thick liquid.

- Very low emission
- Emicode EC 1PLUS
- Non-flammable
- Easy and safe to apply
- High initial adhesion strength
- Favourable spreading capacity
- Roller-castor-chair resistant
- Electrical resistance $< 3 \cdot 10^5 \Omega$ (EN 13 415)

PROPERTIES

Consumption	260 - 300 g/m ² .
Electrical resistance	$< 3 \times 10^5 \Omega$, measured in accordance with EN 13 415.
Flammability	Non-flammable.
Frost resistance	No.
Sensitive to frost	Yes.
Special quality	25% lower consumption
Specific weight	1.13 kg/l.

APPLICATION

For the conductive installation of:

- conductive linoleum.

For an optimal conduction apply 615 Eurostar Lino EC in combination with 041 Europrimer EC and 801 Eurostrip EC. Before application read the technical data sheet of 041 Europrimer EC and 801 Eurostrip EC.

615 EUROSTAR LINO EC

PROCESSING

Storage	Store cool and free from frost.
Tools	Adhesive spreader TKB S2. (is included)
Curing	24 hours.*
Open time	Approx 10 - 20 minutes.*
Waiting time	None.
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow floorings to air condition in the rooms before laying. The coverings must be relaxed and laid flat. During the setting phase, the direct influence of heat/solar radiation, dynamic and point loads must be avoided.</p> <p>Grouting of the coverings must be carried out the next day at the earliest.</p> <p>The electrical conductivity is measured after the final setting.</p> <p>EMICODE, further information at www.emicode.com.</p> <p>Wear protective gloves / eye protection.</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/BS 8203.
- For levelling the substrate use recommended Eurocol levelling compounds/primer. On impervious subfloors apply a 2 mm levelling compound layer.
- For the application of conductive systems, the respective instructions of the floor covering manufacturers must be observed!
- If no special requirements are to be made, should the floor be primed with 041 Europrimer EC.
- Use 1m of 801 Eurostrip EC for each 30 m². Glue the strips into the dried primer/levelling compound.
- Alternatively, the copper stripe can be applied directly onto the levelling compound. The individual copper strips must be connected to each other by means of cross-connection. In this case it is not necessary to apply the 041 Europrimer EC.
- Grounding should be made by an authorized electrician.
- The installation materials to be used must be suitable for the substrate and the intended use.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply the adhesive with a large-notched adhesive spreader (TKB S2).
- On absorbent subfloors apply the floor covering directly into the wet adhesive. On low absorbent subfloors keep a waiting time of 10-30 minutes (depending on temperature and relative humidity).
- Do not double-stick bight marks. Lay bight marks into the wet adhesive as usual. Thereafter roll the floor covering well; first widthwise, then lengthwise.
- Sheet-ends, possible bight marks and longitudinal joints are to be pressed firmly.
- On low absorbent subfloors rolling and pressing should be repeated after approx. 15 minutes.
- Remove fresh adhesive spots immediately with water.

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 80%.

Underfloor heating systems:

615 Eurostar Lino EC can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone. May produce an allergic reaction.

QUALITY AND GUARANTEE

615 EUROSTAR LINO EC



ENVIRONMENT AND HEALTH

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Definition	Packaging	EAN-code
615	Eurostar Lino EC	11 kg Bucket	8 710345 615204

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

615 EUROSTAR LINO EC

eurocol

641

the strong connection



EUROSTAR SPECIAL EC

Very low-emission, fast-setting, conductive adhesive for installing conductive carpet and PVC floor coverings in sheets and tiles and conductive rubber floor coverings in sheets and tiles with a flat back. Conductive resistance: $< 3.10^5 \Omega$. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects. Suitable for indoor use.

PRODUCT TYPING

Base	Superior acrylic dispersion.
Color	Light grey.
Consistency	Thick liquid.

- Very low emission
- Emicode EC 1PLUS
- Non-flammable
- Easy and safe to apply
- Multi-purpose application
- High initial adhesion strength
- Favourable spreading capacity
- Roller-castor-chair resistant
- Electrical resistance $< 3.10^5 \Omega$ (EN 13 415)

PROPERTIES

Consumption	TKB S1 260 - 300 g/m ² . TKB S2 400 - 500 g/m ² .
Electrical resistance	$< 3.10 \exp 5 \Omega$, measured in accordance with EN 13 415.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Specific weight	1.30 kg/l.

APPLICATION

For the conductive installation of:

- conductive PVC floor covering in sheets and tiles
- conductive rubber floor covering in sheets and tiles with a smooth back (e.g. Noraplan ED or Norament ED)
- conductive carpet.

For an optimal conduction apply 641 Eurostar Special EC in combination with a lattice-work of 801 Eurostrip EC or apply 041 Europrimer EC. Before application consult the technical data sheet of 041 Europrimer EC and/or regulations of the floor covering manufacturer.

641 EUROSTAR SPECIAL EC

PROCESSING

Storage	Store cool and free from frost.
Tools	For rubber and PVC floor covering on porous subfloors use adhesive spreader TKB S1 For carpet: adhesive spreader TKB S2.
Curing	48 hours.*
Open time	Approx 15 - 20 minutes.*
Waiting time	Approx. 10 minutes.*
Shelf Life	12 months, in unopened packaging.
Cleaner	Water.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/BS 8203.
- For levelling the substrate use recommended Eurocol levelling compounds/primers. On impervious subfloors apply a 2 mm levelling compound layer.
- For the application of conductive systems, the respective instructions of the floor covering manufacturers must be observed!
- If no special requirements are to be made, should the floor be primed with 041 Europrimer EC.
- Use 1m of 801 Eurostrip EC for each 30 m². Glue the strips into the dried primer/levelling compound.
- Alternatively, the copper stripe can be applied directly onto the levelling compound. The individual copper strips must be connected to each other by means of cross-connection. In this case it is not necessary to apply the 041 Europrimer EC.
- Grounding should be made by an authorized electrician.
- The installation materials to be used must be suitable for the substrate and the intended use.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Stir the adhesive well before use.
- Apply the adhesive with the recommended adhesive spreader (TKB S1 for rubber and PVC floor covering and adhesive spreader B2 for carpet).
- On absorbent subfloors apply the floor covering after approx. 10 minutes into the wet adhesive.
- Check regularly to ensure there is a good adhesive transport on the back of the floor covering.
- Roll the floor covering carefully. Sheet-ends and longitudinal joints are to be pressed firmly.
- Rolling and pressing should be repeated after approx. 30 minutes.
- Remove fresh adhesive spots immediately with water.

Working conditions:

Intended surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

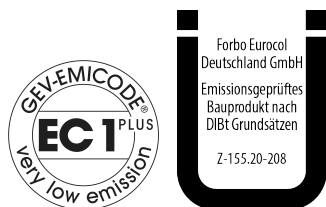
Floor covering temperature : Depending on type of floor covering, consult manufacturer. Relative humidity : 40 - 80%.

Underfloor heating systems:

641 Eurostar Special EC can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application. Do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

Contains methylchloroisothiazolinone and methylisothiazolinone (3:1) and benzisothiazolinone. May produce an allergic reaction.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

641 EUROSTAR SPECIAL EC

GISCODE	D1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

ITEM DATA

Article	Definition	Packaging	EAN-code
641	Eurostar Special EC	12 kg Bucket	8 710345 486415

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

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641 EUROSTAR SPECIAL EC

eurocol

801

the strong connection



EUROSTRIP EC

Self-adhesive copper tape for realising earthing when installing a conductive floor covering, preferably on a levelled subfloor. Possibly in combination with 041 Europrimer EC. However, this is not necessary for every type of conductive floor covering.

PRODUCT TYPING

Base	Electrolyte copper strip.
Format	Length 20 m. Width 10 mm. Thickness 0,1 mm.

- Self-adhesive copper tape for electrically conductive preparation of standard subfloor before installation of electrically conductive floor coverings according to floor covering manufacturer's instructions.
- Ensures transverse potential equalization according to existing standards.
- For indoor use.
- Easy application

PROPERTIES

Special quality	self adhesive.
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APPLICATION

Self-adhesive copper strip to accomplish an earth connection when fixing conductive floor covering.

PROCESSING

Shelf Life	Minimum 36 Months, in unopened packaging.
Remarks	Technical information and safety data sheets of any laying materials and floor coverings used must be observed and the processing conditions must be complied with. Make sure that the levelling compound under floor coverings is sufficiently thick. Eurocol 041 Europrimer EC reduces the absorbency of the substrate, therefore in the case of water vapour impermeable floor coverings, allow for correspondingly longer flash-off times for the adhesives.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 801 Eurostrip EC is suitable for any type of subfloor that is clean, permanently dry and free from dust and grease.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Apply on floor surfaces up to 30 m², at least 1 running metre of 801 Eurostrip EC on the with 041 Europrimer EC primed floor.
- On larger surfaces use proportionally more 801 Eurostrip EC.

801 EUROSTRIP EC

- An electrician must connect the 801 Eurostrip EC to the earth connection.
- Use for the installation of a conductive floor covering the following conductive adhesives: 615 Eurostar Lino EC for conductive linoleum and 641 Eurostar Special EC for conductive vinyl, rubber, polyolefin and carpet.

ENVIRONMENT AND HEALTH

Safety and environment

Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

ITEM DATA

Article	Definition	Packaging	EAN-code
801	Eurostrip EC	20 m ¹ roll	8 710345 801010

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BG173101, Version 03, Stand 2019-08-28, ersetzt Ausgabe vom 2008-07-03.

801 EUROSTRIP EC

ANCILLARY **PRODUCTS**

the strong connection

eurocol

the strong connection

quickfit

FORBO QUICKFIT

Underlay panel, Decoupling of floor coverings, | can be removed without damaging the substrate, joint-free up to 100 m²



PRODUCT TYPING

Base	MDF boards, FSC certified
Base	metallized PP foam.
Color	Light brown.
Format	(120x60) cm, 3 and 4 mm thickness
Format	foam 4,5 mm.

- Alternative subfloor system, consisting of 2 layers of self-adhesive MDF boards, which are glued to each other to accommodate a resilient or textile floor covering (carpeting, PVC, CV coverings, linoleum).
- Can be used as a substructure on old and new subfloors (also old, fixed floor coverings).
- Can also be used as an interim solution for temporary change of use of rooms/floors, e.g. trade fair construction, shop fitting, exhibitions.
- Use a 0.2 mm PE film or Forbo Foam as an intermediate layer.
- Covers fixed cracks in the subfloor, easy and quick to lay and removable.
- Suitable for use with chair castors according to DIN EN 12529.

For interior use.

Emission-tested building product according to DIBt principles.

PROPERTIES

Flammability	E fl
Frost resistance	Yes.
Passableness	Immediately.
Special quality	Quick installation and removability without residues and without damaging the subfloor for repurposing rooms and floors. The system has a low installation height (without covering) of 7 mm plus Foam 4 mm. Factory pre-coating with a dispersion contact adhesive. Square laying units up to 100 m ² can be created without joints.

APPLICATION

For decoupling flooring constructions from screeds and subfloors.

PROCESSING

Layer thickness	Double layer structure, 3 mm and 4 mm. Optional on foam with 4.5 mm.
Storage	Store cool and dry in unopened packaging.
Waiting time	None.

FORBO QUICKFIT

Shelf Life	72 months, in unopened packaging.
Remarks	Observe the technical information and safety data sheets of the installation materials used! The installation recommendations of the floor covering manufacturers must be observed with regard to the suitability of special underlays under their coverings. In the case of resilient floor coverings, the changed chair castor and indentation behaviour of the overall construction must be pointed out. Find out the suitability of the enquire about the suitability of the floor coverings and use chair underlays if necessary. Also observe any regional or national fire protection regulations that may be affected.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Minor unevenness or cracks up to 0.5 mm are bridged by laying.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.

The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

Allow the Forbo Quickfit MDF boards in their packaging to temper in a suitable room climate for 24 hours before use.

- Cut Forbo Foam PE underlay to size and lay with the smooth side down. Alternatively, lay 0.2 mm PE foil overlapping.
- Tape the seams with commercially available aluminium tape.
- Score the back of the Forbo Quickfit MDF boards at the cut edge with a trapezoidal blade and then break through in the opposite direction.
- For the first row, cut the 3 mm thick boards in half lengthwise and lay them against the shorter wall of the room with 1 cm distance to the wall. The adhesive side faces upwards.
- In the second row, lay each of the 3 mm MDF boards in half offset in full width with the adhesive side facing upwards.
- Now, starting at the back wall, lay a full 4 mm MDF board with head joint offset and adhesive side down on the already laid MDF boards.
- Fill up the row and finish row by row in the same sequence. Important: As long as no pressure is applied to the boards, their position can be corrected.
- Roll the finished surface with an articulated roller (70 kg) and sand the joints of the boards with fine sandpaper.
- The floor covering can be bonded immediately with suitable and recommended Eurocol adhesives.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
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ITEM DATA

productname	packaging	shipping unit
Forbo Quickfit	box à 3,6 m ² (102*60) cm, 5 bottom and top panels each	10 boxes/pallet
Forbo Foam	roll 25 m ² , (25 x 1) m	

FORBO QUICKFIT

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BG144542-144543, Version 02, Stand 2020-12-21, ersetzt Ausgabe vom 30.06.2017

FORBO QUICKFIT

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Eurocol is part of the Forbo Group



eurocol

014

the strong connection



EUROCLEAN

Ready-to-use cleaning and degreasing agent for degreasing and cleaning ceramic tiles, marble, terrazzo, concrete enamel, linoleum and vinyl. Can also be used as a quick cleaner to remove dirt, grease, (diesel) oil and ink residues, nicotine deposits. Biodegradable and rinsing with water is not necessary in most cases.

PRODUCT TYPING

Base	Aqueous solution of detergents and softeners.
Color	Clear liquid.
Consistency	Liquid.

- Ready for use-Completely biodegradable
- Free of ammonia
- User friendly
- Rinse no longer necessary
- Leaves no residue

PROPERTIES

Consumption	Approx. 100 g/m ² . Due to the large variety of possible subfloors and porosity of the subfloor that is to be treated, the exact spreading capacity is to be determined on the project.
Flammability	Non-flammable.

APPLICATION

For degreasing:

- ceramic tiles
- marble
- terrazzo and wooden floors
- linoleum
- swimming pools
- concrete enamel etc.

As a rapid cleaner for removing dirt, grease, oil, diesel-oil, ink and nicotine-residues.

PROCESSING

Storage	Store free from frost. Protect against high temperatures.
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014 EUROCLEAN

Shelf Life	12 months, in unopened packaging.
Application temperature	> 0 °C.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

- Make the subfloor dust free with a broom, brush or vacuum cleaner.
- Apply 014 Euroclean undiluted on the subfloor and allow a short period to soak. Scrub any tough dirt and grease with a stiff brush (brushmachine).
- Thereafter remove the pollution by means of a water vacuum cleaner or with a cotton cloth. The cotton cloth should be rinsed and wrung out after each exposure.
- In the case of stubborn contamination, the above actions must be repeated to ensure good adhesion to the substrate.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Ingredient list according to EG/648/2004:
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl . Available on request.

ITEM DATA

Article	Definition	Packaging	EAN-code	Min. order
014	Euroclean	10 kg jerry can	8 710345 014014	
014	Euroclean	Box of 12 bottles of 1 kg	8 710345 014205	
014	Euroclean	1 kg bottle	8 710345 014212	12 pieces

014 EUROCLEAN

eurocol 021

the strong connection



EUROBLOCK RENO LE

2-component epoxy primer, applicable as a moisture barrier on clean, waterproof, stony surfaces. Apply at least two layers (consumption 1st layer min. 250 g/m² and 2nd layer min. 150 g/m²). For good adhesion of the levelling compound, immediately sprinkle the second layer while it is still wet with 846 Quartsand (gross consumption 4 kg/m², net consumption 1.5 kg/m²) or allow the second layer to dry well and prime with a bonding layer 044 Europrimer Multi. The residual moisture percentage in the subfloor may not exceed 6.0% (CM). Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Component A: epoxy resin. Component B: amines
Color	Resin: transparent, hardener: yellow.
Consistency	Thin liquid.

- 2-component epoxy resin for blocking non-pressing residual moisture in cement screed and concrete
- For strengthening surface edge zones.
- Suitable as bonding layer on mastic asphalt, ceramic tiles, wood-based panels or as a moisture protecting layer of moisture sensitive subfloors.
- To cover fixed, water-soluble adhesive residues.
- For the production of epoxy mortars in combination with Eurocol 846 Europlan Sand/847 Europlan Sand fine.
- For blocking non-residual moisture in unheated cement screeds without limiting residual moisture.
- For indoor use only.
- Very low emission certified EMICODE EC1 Plus.
- Declared by baubook, "ecological building product".

PROPERTIES

Consumption	depending on the absorbency and surface structure, approximately 300-500g/m ² per coat
Flammability	Non-flammable.
Sensitive to frost	No.
Special quality	Damp proof membrane without limit.
Specific weight	1.12 kg/l.

APPLICATION

- for blocking non-pressing residual moisture in cement screed and concrete without limitation of residual moisture,
- for strengthening surface edge zones.
- suitable as bonding layer on mastic asphalt, ceramic tiles, wood-based panels,
- suitable as a moisture protecting layer of moisture sensitive subfloors, to cover fixed, water-soluble adhesive residues,

021 EUROBLOCK RENO LE

- for the production of epoxy mortars.

PROCESSING

Storage	Store cool and dry.
Tools	Lambswool roller.
Mixing ratio	1,8 : 1 (l) volume, 6,6 : 3,4 (kg) weight
Curing	Final bond strength between 2 coats. 24 hours (passable).*
Processing time	Use within 30 minutes after mixing.*
Waiting time	16-48 hours..
Drying	At 20 °C, 16 hours per coat.*
Shelf Life	Approx 24 Months, in unopened packaging. Do not mix partial portions.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.
Application temperature	3 degrees above the dew point temperature.
Remarks	Technical information and safety data sheets of any laying materials and floorings/parquet used must be followed and the processing conditions must be observed! No building barrier measures according to DIN 18195, therefore not applicable in case of pressing, constantly rising humidity and with vapour diffusion. EMICODE, for further information see www.emicode.com .

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- The substrate must be pressure- and tension-resistant, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, must be thoroughly cleaned and sanded matt after drying.
- Smoothed concrete floors, cement screeds and vacuum concrete are to be shot-blasted.
- Cracks or joints (except structural expansion joints) are to be closed with Eurocol Europlan 913 Silicate sealing compound.
- In case of defects, objections are to be reported in writing.

Instruction manual:

Before use, temper the product according to the processing conditions.

- Add comp. B to comp. A, therefore cut through the synthetic cap and bottom of component B with a screwdriver. Thereafter unlock the packaging, in this way the hardener will easily penetrate into the resin.
- Stir mechanically to a homogeneous mixture.
- Apply the mixture immediately with a lambswool roller. Avoid puddles.
- On strong porous subfloors as well as application as a DPM apply after 16 - 24 hours a second coat.
- To avoid adhesion problems of levelling compounds sprinkle the last coat always with 846 Quartsand. As a DPM sprinkle the second coat.
- After 24 hours remove excess 846 Quartsand with a broom or industrial vacuum cleaner.
- For sealing seams and cracks mix the product with 846 Quartsand until the required thickness. Fill the seam or crack with the mixture and seal the seams to approx. 20 cm width with the primer and thereafter apply 063 Eurotape into the wet coat. Thereafter prime with the product and sprinkle directly with 846 Quartsand.
- Lower temperatures < 10 °C will increase the finale bond strength significantly.

Use as reaction mortar:

By adding Eurocol 846 Europlan Sand and/or 847 Europlan Sand fine (depending on the desired layer thickness and viscosity), the product can be used to produce a reaction mortar as a levelling mortar to stable filling mortar (mixing ratio mass% 1 : 0.8 to 1 : 9 - resin : sand). The freshly applied reaction mortar must be sanded in the same way as a primer.

It is advantageous if the produced mortar is applied to the freshly applied primer, wet-in-wet. The flanks of adjacent screeds should also be primed.

Working conditions:

Required surrounding temperature: min. 18°C.

Material and subfloor temperature: min. 15°C.

Relative humidity: 35 - 75%, recommended <65%.

Pay attention to BG Chemical information leaflet M023 "working with Polyester and epoxy resins" DGUV Information 201-062 "EP resins in the construction industry" and BGR227 work with epoxy resins.

When using as a moisture barrier, make sure there is enough ventilation at skirting and behind cupboards.

021 EUROBLOCK RENO LE

Only mix complete bucket contents!

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

GISCODE	RE30
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Product contains hazardous ingredients in the resin and hardener. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de .
Substances causing allergy	Contains epoxy constituents. May produce an allergic reaction.

ITEM DATA

Article	productname	packaging	shipping unit	EAN code
021	Euroblock Reno LE	tin combi pack à 10 kg	45/pallet	4 026956 991090
021	Euroblock Reno LE	tin combi pack à 3 kg		8 710345 002134

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BG145800, Version 10, Stand 2020-03-11, ersetzt Ausgabe vom 2018-12-10.

021 EUROBLOCK RENO LE

eurocol 063

the strong connection



EUROTAPE

Reinforcing tape for sealing horizontal and vertical tile connections in "wet areas", such as shower cubicles, bathrooms, utility rooms, etc. Also suitable for sealing connections of sheet material under tiling. To be used in combination with 685 Eurocoat or 683 Fibrecoat

PRODUCT TYPING

Base	Fabric made of polyester and polypropylene fibres.
Color	White.

- Flexible
- Elastic
- Seam sealing

PROPERTIES

Alkali resistance	Resistant against alkaline moisture.
Elasticity	In combination with 685 Eurocoat sufficiently elastic to intercept movement in the construction in practice.
Sensitive to frost	No.
Humidity resistance	Insensitive to moisture.

APPLICATION

For sealing horizontal and vertical corner connections of tile work in "wet areas", e.g. shower cabins, bathrooms, professional kitchens etc. Also suitable for sealing connections between board materials under tile work. Use in combination with 685 Eurocoat or 683 Fibrecoat.

PROCESSING

Storage	Store dry.
Moisture resistance	Insensitive to moisture.
Shelf Life	Unlimited.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 063 Eurotape can be applied on almost any type of subfloor that is clean and free from grease and dirt.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

See directions for use of 685 Eurocoat.

063 EUROBAND

ENVIRONMENT AND HEALTH

MSDS For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code
063	Eurotape	Box of 100 m ¹	8 710345 057301
063	Eurotape	Box of 4x25 m ¹	8 710345 001038
685/063	Eurocoat/Eurotape	Do-it-yourself packaging of 4 kg 685 Eurocoat/12 m ¹ 063 Eurotape	8 710345 003612

BG172063, Version 01, Stand 2022-08-30,

063 EUROBAND

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Eurocol is part of the Forbo Group



eurocol 326

the strong connection



UV CARESHIELD

326 UV-CareShield is a water-based UV-curable renovation varnish specially designed for linoleum floors.

PRODUCT TYPING

Color	Milky. Gloss level: Silk matt.
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- 326 UV-CareShield guarantees a durable protective layer.
- Floors treated with 326 UV-CareShield are ready for use immediately after application and UV treatment: furniture can be replaced right away and the floor can be walked on.
- Excellent stain resistance, including against alcohol and disinfectants.
- Free from solvents and isocyanate.
- Easy to use without a primer.
- Very durable and eliminates the need for conventional periodic maintenance with polish, polymer or wax.

PROPERTIES

Consumption	Film weight to be applied per layer 50 to 75 g/m ² .
Passableness	Walkable and loadable: Immediately after UV treatment. Anti-slip R-value treated linoleum: R9.

APPLICATION

Suitable for stripped and/or sanded linoleum floors. Suitability for renovation of different floor coverings must be tested on site.

PROCESSING

Storage	At 5 to 25 °C in closed original packaging.
Drying	Drying time per layer: 1 to 3 hours depending on conditions. Reaching optimal properties immediately after UV treatment.
Shelf Life	1 year.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

How to apply 326 UV-CareShield:

- Before starting work, always read the safety data sheet and label information and follow the recommended precautions.
- Ensure sufficient ventilation in the room where the floor will be treated.
- Before applying 326 UV-CareShield, the floor to be treated must be completely free of wax, polish and polymer residues and must be clean and dry in line with existing procedures.
- Before applying 326 UV-CareShield, measure the moisture percentage of the cleaned floor with a contact moisture meter in various places. Record the measurements as reference values for later calculations before the UV treatment.
- Shake the can of 326 UV-CareShield vigorously before use to ensure that it is well mixed. Let it stand for at least 5 minutes after

326 UV-CARESHIELD

- shaking.
- The room temperature must be between 15 and 25 °C.
- Fill a paint tray with 326 UV-CareShield. Apply 326 UV-CareShield with a good-quality microfibre roller with bevelled edges and a fibre length of 9 to 11 mm.
- Apply the first layer at a film weight of 50 to 75 g/m².
- Leave the first layer to dry for 2 to 3 hours. 30 minutes after applying the first layer, a blower can be used to speed up drying.
- Then apply the second layer at right angles to the first layer at a film weight of 50 to 75 g/m².

UV treatment of 326 UV-CareShield:

- Once the second layer has dried, measure the moisture content of the floor at the same places as the first moisture measurement and compare the measured values. If the second measured values are a maximum of 1 unit higher than the first measured values, then the floor is dry enough for the UV treatment.
- Follow the safety instructions of the supplier/manufacturer of the UV sources and use the recommended personal protective equipment. Cordon off the room in which the floor renovation is being performed.
- The UV treatment is performed using a self-propelled mobile Hg UV source such as Floormate from DecoRad. The maximum speed at which the UV source is moved over the floor is 8 m/min. Do not use an LED UV source.
- During the UV treatment, only walk on the already UV-treated areas and allow sufficient overflow of the UV-treated strips to ensure that the entire floor surface has been treated.
- Use a handheld UV source such as the Handmate UV 600 Hg / UV 1800 HG from DecoRad to treat corners and other areas of the floor that were not irradiated with the mobile UV source. Do not use an LED UV source.

Immediately after UV treatment, the floor is ready for intensive use.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

ITEM DATA

Article	Definition	Packaging	EAN-code
326	UV-Careshield	5 kg jerry can	8 710345 326018

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326 UV-CARESHIELD

eurocol

358

the strong connection



TOOLCLEANER

For cleaning LiquidDesign tools. Also suitable for cleaning e.g. adhesive mixers (also 2-component) and tools, machines, floors contaminated with resins/plastics (polyesters, polystyrene, polyurethane, polyamides, polyimides) ink, paint, stickers/adhesive residues, tar and bituminous contamination. 358 ToolCleaner works on various surfaces and materials. We recommend always carrying out a test on a less visible place first.

PRODUCT TYPING

Base	Surfactant.
Color	Transparent.
Consistency	Thin liquid.

- Biodegradable
- Very high flashpoint
- Methylene chloride-free
- Non-corrosive
- Silicone-free

PROPERTIES

Consumption	Depending on application.
Flammability	Very high flashpoint.
Sensitive to frost	No.
Special quality	Effective cleaner for adherent adhesive soiling.
Specific weight	0.99 kg/l.

APPLICATION

For the cleaning of LiquidDesign tools. Also suited for the cleaning of, for example, adhesive mixers (including two component adhesives) and tools, machines, floors contaminated with resins/plastics (polyesters, polystyrene, polyurethane, polyamides, polyimides) ink, paint, stickers/glue residues; tar and bituminous pollution. 358 Toolcleaner can be used for removing epoxy veil and spots on ceramic wall and floor tiles.

PROCESSING

Storage	In a cool ventilated place, in the sealed, original container.
Tools	Brush, roller and through immersion and/or rinse.
Mixing ratio	Only apply the 358 ToolCleaner undiluted.
Shelf Life	24 months in unopened container.

358 TOOLCLEANER

Cleaner	Water.
Remarks	Avoid contact with skin and eyes and wear suitable protective equipment.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

Instructions for use when cleaning LiquidDesign tools:

- The 358 ToolCleaner must be used undiluted.
- The cleaning of LiquidDesign tools must be performed immediately after use. It can easily be performed by pouring a certain amount of 358 ToolCleaner into a bucket. By immersing the tools and using a (plastic) brush, any remaining 350 LiquidDesign is easily removed. Then rinse the tool in tap water and leave to dry or dry with a clean cloth.
- When cleaning the stainless-steel ventilator roller we recommend using a rectangular tray in which the stainless-steel ventilator roller will fit. Fill the tray with a layer of 358 ToolCleaner to approximately 15 mm. Rinse the needles by rolling the roller through the liquid. If necessary, use a plastic brush. Then rinse the stainless-steel ventilator roller with tap water.
- The 358 ToolCleaner can be used multiple times. If necessary, sieve the material to remove any solid contamination.
- First, always consult our technical production information sheets on www.eurocol.nl.
- Avoid eye and skin contact and use suitable personal protection equipment. (for this, see our safety sheet).
- Dispose of empty jerry cans/bottles (recyclable material), product residues and cleaning liquid according to locally applicable environmental rules, and do not dispose of these in the sewer, open waters or soil.

Instructions for general use:

- The 358 ToolCleaner must be used undiluted. There are various possible cleaning methods, e.g.: immersion, rinsing or through pumping (e.g. by means of a High Volume Low Pressure pump).
- **Immersion:** immerse the object to be cleaned in the 358 ToolCleaner and leave to soak for some time. Then let the object drip and, if necessary, rinse it with tap water or wipe it dry using a cloth.
- **Pumping/rinsing:** pump the 358 ToolCleaner over the objects to be cleaned and let the liquid circulate for some time. If this does not produce an adequate result the action can be repeated. Next, leave the objects to dry or, if this is desired/possible, rinse with water and then dry.
- If the product is heated, the dissolvent strength for fats and oils will increase.
- First, always consult our technical production information sheets on www.eurocol.nl.
- Avoid eye and skin contact and use suitable personal protection equipment. (for this, see our safety sheet).
- Dispose of empty jerry cans/bottles (recyclable material), product traces and cleaning liquid according to locally applicable environmental rules, and do not dispose of these in the sewer, open waters or soil.

Contains N-Butylpyrrolidone.

Conditions for processing:

Desired ambient temperature : 10 - 35 °C.

More information:

- Developed for professional use.
- Keep this product out of the reach of children.
- Inhalation of the product may cause irritation, which is why we advise not to spray the product.
- Always thoroughly ventilate the room during and after processing and during the drying process.
- Never eat, drink or smoke while working with this product.
- Thoroughly rinse with water immediately, after contact with the eyes or skin.
- Only hand in containers without product residue for recycling.
- Clean product traces and dispose of cleaning water according to locally applicable environmental rules, and do not dispose of it in the sewer.
- For detailed information about these safety measures please refer to the safety information sheet on our website www.eurocol.nl.

Comment:

358 ToolCleaner works on various surfaces and materials. We recommend that you always test the product in a less conspicuous place first.

ENVIRONMENT AND HEALTH

Hazard Class	See safety data sheet.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available upon request.

ITEM DATA

358 TOOLCLEANER

Article	Definition	Packaging	EAN-code
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358	ToolCleaner	10 kg jerry can	8 710345 358002
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358 TOOLCLEANER

eurocol

390

the strong connection



FLOORCOLOURING

Powder pigment to create decorative floor screeds. Suited for indoor applications, e.g. in offices, living rooms/bedrooms, hobby rooms etc. Not suited for wooden floors.

PRODUCT TYPING

Base	Inorganic pigment powder.
Color	White, Soft Black and Brown.
Consistency	Powder.

- Easy to mix
- Ready to use
- To be used in combination with a pump or manually

PROPERTIES

Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	After approx 3 hours at 18 - 20 °C.*

APPLICATION

Powder pigment as an additional product in combination with 990 Europlan Direct or 920 Europlan Alphy. Suited for manual processing and by pump. Always consult the pump supplier first to check that the pump is suited for all types of floor levelling. Pumps that have too high a mixing speed may result in an insufficient flow of the levelling compound.

PROCESSING

Storage	Store in a cool and dry place.
Mixing ratio	Maximum 3 230g jars to 1 23kg bag of levelling compound.
Shelf Life	12 months in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of other installation materials used must be observed!</p> <p>Apply a Eurocol Surface Finish to the filled surface within the next few days!</p> <p>On floating dry screed elements or wood-based panels, the suitability of the levelling compound used must be observed.</p> <p>When using as FloorDesign flooring, please observe the Eurocol reference document RD_001 "Mineral levelling floors".</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

390 FLOORCOLOURING

Substrate:

Processing conditions and subfloor:

- See the product information sheets of the approved Eurocol levelling compounds.

Instruction manual:

- For the best possible result, we advise to work with at least 2 people. This allows you to mix several packs and apply them to the floor in quick succession.
- Fill the mixing container with 5,5-6 litres of cool and clean tap water and add the levelling compound. Mechanically mix the compound with a Eurocol 855 mixing rod for at least 1 minute (at least 1,000 revs per minute) until a smooth and lump-free mix is obtained.
- Then add the powder pigment (max. 3 230g jars) to the compound and mechanically mix everything for at least 1 minute, until it has all been thoroughly mixed.
- In between mixing, move a spatula along the inside of the mixing container to properly mix the levelling compound and the pigment.
- Set aside the compound for approx. 3 minutes and then briefly stir it, at a low rev count.
- The compound must then be processed within 20 minutes. Apply the levelling compound in small portion randomly across the floor to avoid repetitive patterns or stripes.
- Spread the compound with the trowel, making random strokes to create the desired (concrete look) effect. Always let the different containers of levelling compound mix wet on wet.
- Apply the compound in a minimum thickness of 3mm.
- When pumping the powder pigment add to the dry compound (max. 3 230g jars per 23kg of levelling compound) and set the mixing unit to allow for the required amount of water to be added.
- Layers of levelling compound recently applied must be protected against draught and direct sunlight.
- In normal circumstances, the applied layer of levelling compound can be walked on after 2-3 hours. Always wear shoe covers.
- At a layer thickness of approx. 3-4 mm and a temperature of 15 - 20 °C the floor screed is ready to be finished with 301 BaseSealer and 311 Topcoat paint system after at least 24 hours. For this, see the relevant product information sheets.
- For detailed information about these safety measures please refer to the safety information sheet on our website www.eurocol.nl.

Underfloor heating constructions:

390 FloorColouring can be used on underfloor heating constructions. The start-up protocol of the underfloor heating must first have been performed entirely in accordance with supplier guidelines. Switch off the heating one day before application; switch back on at least 24 hours after applying levelling, in steps of 5 °C water temperature maximum per day.

ENVIRONMENT AND HEALTH

Safety and environment Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.

Safety and environment Wear protective gloves and glasses!

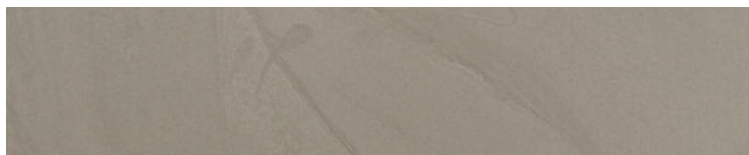
MSDS Available upon request.

ITEM DATA

Article	Defenition	Packaging	EAN-code
390	FloorColouring	Box containing 18 jars of 230 gram.	
		White	8 710345 390118
		Soft Black	8 710345 390217
		Brown	8 710345 390316

390 FloorColouring is available in 3 colours:

White (1 jar 390):



White (2 jars 390):

390 FLOORCOLOURING



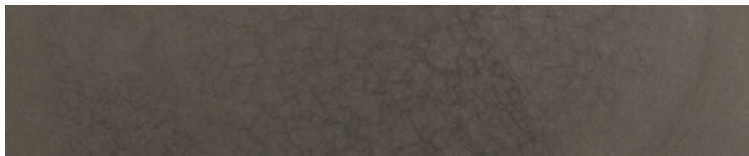
White (3 jars 390):



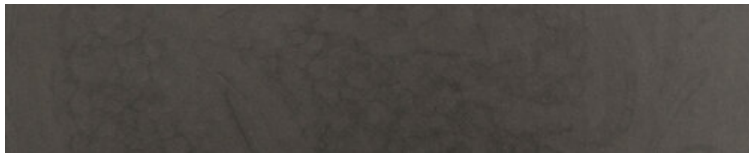
Soft Black (1 jar 390):



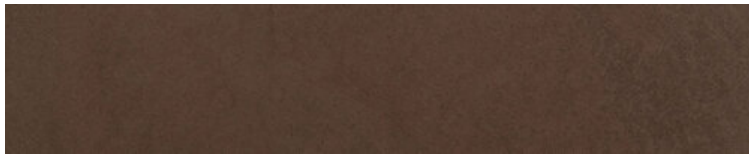
Soft Black (2 jars 390):



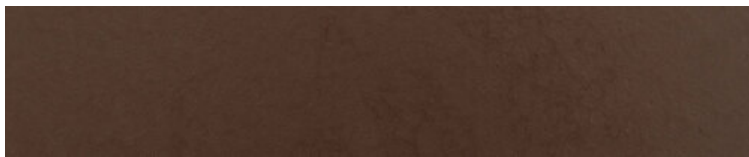
Soft Black (3 jars 390):



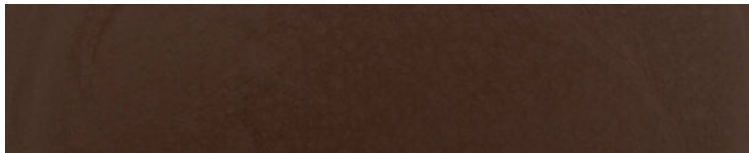
Brown (1 jar 390):



Brown (2 jars 390):



Brown (3 jars 390):



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390 FLOORCOLOURING

conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150390, Version 05, Stand 2023-10-24, ersetzt Ausgabe vom 2021-01-15

390 FLOORCOLOURING

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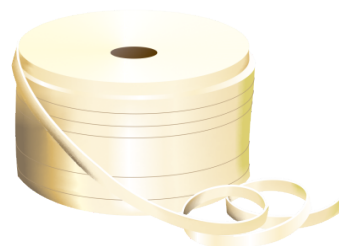
Eurocol is part of the Forbo Group



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802

the strong connection



EUROSTRIP BASIC

Self-adhesive edge strips made of PE foam. To prevent horizontal noise pollution. Also applicable for absorbing settlement when leveling, for example, floating screed floors or on wooden panels. Also prevents damage or contamination of the wall or skirting board when leveling or sanding the floor

PRODUCT TYPING

Base	PE-foam.
Color	White.
Roll length	25 m.
Format	Length 25 m. Width 20 mm. Thickness 5 mm.

- Easy application
- Self-adhesive
- Permanent elastic
- Don't rot
- Moisture-resistant
- Vapour permeable

PROPERTIES

Frost resistance	yes.
Special quality	self adhesive.

APPLICATION

802 Eurostrip Basic is suitable for any type of subfloor that is compressive and tensile resistant. The subfloor must also be flat, clean, permanently dry, free of grease and dirt, in accordance with the requirements stated in DIN 18 365. To prevent horizontal noise nuisance in combination with 820 DIM Floor. To prevent deformation during drying of the levelling compound due to expansion. As a barrier to compartmentalise when levelling a.s..

PROCESSING

Storage	Cool and dry, well sealed at normal temperature (5° - 30°C).
Tools	Knife or scissors.
Shelf Life	Minimum 36 Months, in unopened packaging.
Remarks	For the installation of higher layers of levelling compounds or 971 Europlan DE Rapid thin screed, we recommend the 806 Eurostripe Profile.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

802 EUROSTRIP BASIC

Substrate:

- 802 Eurostrip Basic is suitable for any type of subfloor that is compressive and tensile resistant. The subfloor must also be flat, clean, permanently dry, free of grease and dirt, in accordance with the requirements as stated in DIN 18 365.
- Prime sanding subfloors with 044 Europrimer Multi, 049 Europrimer ABS or 099 Dispersion Primer.
- When leveling thicker layers, we recommend using the 806 Eurostrip Profile.
- Always consult our technical product information sheets in advance. If you have any doubts about the applications to be made, please contact our Technical Advice department in advance.

Instruction manual:

Remove the applied protective film from the self-adhesive side and place the 802 Eurostrip Basic tape directly on the desired location on the wall or floor. Then cut or trim the tape to the correct size.

Processing conditions:

Required subfloor temperature : min. 15 °C.

Temperature for material and surrounding : min. 18 °C.

Relative humidity : 35 - 75%.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

ITEM DATA

Article	Definition	Packaging	EAN-code
802	Eurostrip Basic	Carton of 1 roll of 25 m ¹ .	8 710345 802017

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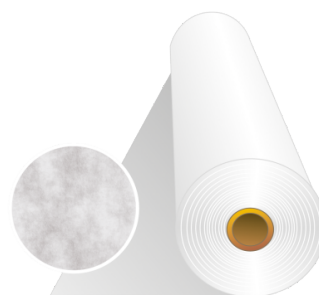
BG173114, Version 03, Stand 2018-11-20, ersetzt Ausgabe vom 2008-07-03.

802 EUROSTRIP BASIC

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EUROFLOOR RENO FLEECE

fleece underlay, under a bonded parquet floor, laminat or ceramic tiles, with integrated measuring tape.

PRODUCT TYPING

Base	Polyester fleece
Color	Light green.
Format	Length 50 m. Width 1 m. Thickness 1 mm.

- Fleece underlays in rolls for decoupling parquet, laminat and ceramic tiles constructions from the subfloor.
- It is used either to decouple parquet constructions that tend to swell and/or shrink from the subfloor, or in cases where the subfloor does not fully comply with the requirements of a parquet or ceramic tiles installation in accordance with the standards.
- For bridging cracks in the subfloor up to 0.5 mm.
- The fleece is to be bonded to the subfloor over its entire surface with approved reaction adhesives or ceramic tiles adhesives.
- The parquet is also bonded to the fleece over the entire surface with approved reaction adhesives.
- Ceramic tiles are to be installed with suitable ceramic tiles adhesives.
- high tear resistance
- low installation height
- can be easily bent, pressed, cut
- For indoor use.
- Emission-tested building product according to DIBt principles.

PROPERTIES

Frost resistance	yes.
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APPLICATION

For decoupling floor constructions from the subfloor.

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 Months, in unopened packaging.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Minor unevenness or cracks up to 0.5 mm are bridged by bonding the 804 Eurofloor Reno Fleece and can be levelled with the adhesive.

804 EUROFLOOR RENO FLEECE

- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Roll out 804 Eurofloor Reno Fleece, cut it roughly and lay it out loosely in the room in the same way as laying flooring. Fold back half of the sheets.
- Glue over the entire surface with a 2-component or 1-component parquet adhesive suitable for parquet laying, choose tooth-quietly so as to ensure complete, grooved wetting of the 804 Eurofloor Reno Fleece. (e.g. TKB A2 - B1).
- Use ceramic tiles adhesives suitable for ceramic tiles.
- Proceed in the same way with the second half of the sheet.
If necessary, weigh down the head ends and seam edges until the adhesive has set.
- After 1 - 2 hours, the surface should be rolled or rubbed down, as the adhesive only starts to set at this point.
- Adhesives containing solvents are not suitable for bonding the fleece, as the fleece absorbs the liquid and releases it again only slowly.
- Before gluing the floor let the adhesive used set according to its specification.
- The floor is laid with the same adhesives as those used for gluing the fleece.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

ENVIRONMENT AND HEALTH

Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
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ITEM DATA

artikel	productname	packaging	shipping unit
804	Eurofloor Reno Fleece	roll à (50*1) m	15 rolls/pallet

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BG144566, Version 06, Stand 2023-08-03, ersetzt Ausgabe vom 2015-11-05.

804 EUROFLOOR RENO FLEECE

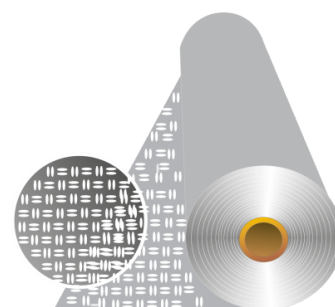
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805

the strong connection

SARLIBASE TE

Decoupling underlay,
New - on - old installation. Moisture barrier.



PRODUCT TYPING

Base	Compact PVC.
Color	Gray.
Format	Length 35 m. Width 2 m. Thickness 1,5 mm.

- Compact PVC underlay with embedded glass fibre fleece, with dimple equipment on the underside for under-ventilation in sheets.
- For decoupling floors with residual moisture, after water damage, with dirt, with old adhesive layers (e.g. sulphite lye, bitumen adhesives), as well as a renovation underlay for new-on-old installation.
- Underlay for bonding textile, PVC and CV coverings in strips.
- The decoupling underlay can be used on cement screeds up to approx. 5CM%, on calcium sulphate-bound screeds up to approx. 1.5CM%.
- for bridging cracks in the substrate up to 0.5 mm
- adhesive-friendly surface
- can be glued directly with floor coverings
- impact sound absorbing
- low installation height
- especially for renovation work
- easy to process, loose to lay, easy to remove
- For indoors.

PROPERTIES

Weight	1,3 kg/m ² .
Bureau Wheelchair resistance	Suitable for use underneath castor chairs. EN 425:2002.
Frost resistance	Yes.
Humidity resistance	Very good, fungistatic, bacteriostatic.
Special quality	Decoupling of wet substrates. An existing substrate will not be damaged, natural stone, linoleum, parquet or other will be fully recovered after a different use, since interactions of the 805 Sarlibase TE decoupling carpet pad are not expected.
Fire class	: C fl - s1. (EN13501-1).
Noise reduction	: Approx ca. 7 dB.

APPLICATION

For decoupling floor coverings from the substrate.

For temporary installation of floor coverings on existing floors to preserve them.

805 SARLIBASE TE

PROCESSING

Storage	Store cool and dry, standing in unopened packaging.
Sound reduction	Approx ca. 7 dB.
Waiting time	None.
By drying	Immediately usable
Moisture resistance	Very good, fungistatic, bacteriostatic.
Shelf Life	Minimum 72 Months, in unopened packaging.
Remarks	If floor coverings suitable for castor chairs are bonded, the entire construction with the 805 Sarlibase TE decoupling underlay is also suitable for castor chairs (DIN 68131). In case of underfloor heating, pay attention to the changed thermal resistance of the construction.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be pressure- and tension-resistant, even.
- Minor unevenness or cracks up to 0.5 mm are bridged by the installation.
- The installation materials used must be suitable for the substrate and the intended use.

Instruction manual:

- 805 Sarlibase TE Roll out, roughly cut to size and lay loosely in the room in the same way as for laying floor covering. The installation is carried out butt-jointed to the floor covering to be installed.
- In angled rooms or in the door area, the sheet can be fixed with double-sided adhesive tape to prevent slipping when laying the top floor.
- Leave a gap of at least 5 - 10 mm to rising building components (the use of ventilating skirting boards must be planned) to ensure unhindered ventilation of existing residual moisture.
- In the case of damp substrates, the joint is taped on the top side with a self-adhesive aluminium tape, resistant to plasticisers. This prevents moisture from penetrating into the upper covering construction via the joint.
- When used on dry substrates, masking with paper tape, resistant to plasticisers, is sufficient to prevent the adhesive from penetrating the joint area.
- For bonding, use suitable Eurocol adhesives approved for bonding to dense substrates. For vapour-tight coverings, allow the adhesive to flash off until transparent. Moisture must no longer be trapped within the adhesive groove! It is recommended to use the rolling technique to apply the adhesives.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

ENVIRONMENT AND HEALTH

Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
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ITEM DATA

Article	Productname	Packaging
805	Sarlibase TE	roll à (35*2) m

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805 SARLIBASE TE

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BG144565, Version 05, Stand 2022-08-01, ersetzt Ausgabe vom 2020-12-21.

805 SARLIBASE TE

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the strong connection



EUROSTRIP PROFILE

Selfadhering L-shaped PE-foam strip. especially for thick layer putty work, perfect corner formation, perfect impact protection during sanding work, perfect wall protection during adhesive application.

PRODUCT TYPING

Base	L-shaped PE-foam on polyester fabric layer.
Color	Blue and white with a print.
Format	Length 25 m. Width 50 mm. Thickness 5 mm.

- Self adhesive
- L-shaped for a perfect connection between floor and wall or skirting
- Easy application
- Elastic and rot-free
- Moisture resistant
- No dirty walls or skirting after levelling
- Watertight angle connection possible between wall and floor in combination with a suitable DPM
- Reduction of horizontal noise after levelling
- Protective function during polishing the walls or skirting

PROPERTIES

Special quality	Because of the L shape the wall or the skirting stays clean and without any damage.
-----------------	---

APPLICATION

- For inside use
- For any type of subfloor that is clean, permanently dry and free from grease and dust
- Can be used if the skirting is already applied
- In combination with 021 Euroblock Reno it is possible to realise a watertight wall/floor connection
- Place before levelling prevent dirt and damage to wall or skirting
- Wall protective function during polishing the floor
- Reduces noise transfer at wall connections and to adjoining surroundings
- Multifunctional application free-floating subfloors floors. Absorbs expansion and shrinkage. Reduces noise

PROCESSING

Storage	Store dry.
Tools	None.
Shelf Life	Minimum 72 Months, in unopened packaging.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer

806 EUROSTRIP PROFILE

thicknesses, are only guideline values.

Substrate:

- 806 Eurostrip Profile is suitable for any type of subfloor that is clean, permanently dry and free from grease and dust. The subfloor should also be clean, permanently dry and free from grease and dirt according to the requirements of DIN 18365.
- Prime crumbing subfloors with 044 Europrimer Multi, 049 Europrimer ABS or 099 Dispersionprimer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

Working conditions:

Required surrounding temperature : min. 15° - max. 25° C
Temperature for material and subfloor : min. 15° - max. 25° C
Relative humidity : 40 - 70%

Directions for use:

- Pull the protection strip of the 806 Eurostrip Profile and place the 806 Eurostrip Profile on the floor in the angle between floor and wall.
- If it is necessary the strip can be folded or cur in the angels.
- Levelling is possible immediately after placing the 806 Eurostrip Profile.
- After drying and polishing of the levelling compound cut the surplus 806 Eurostrip Profile and place the floor covering.
- If a watertight wall-connection is desirable, apply two layers 021 Euroblock Reno on the subfloor and 806 Eurostrip Profile. As usual, aggregate blind the second layer of 021 Euroblock Reno with 846 Quartsand while it is still wet. It is not necessary to use the Quartsand on the 806 Eurostrip Profile. With tjis application we recommend to place the 806 Eurostrip Profile behind the skirting and not to cut the surplus of.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

ITEM DATA

Article	Definition	Packaging	EAN-code	Shipping unit
806	Eurostrip Profile	Carton with 4 rolls x 25 m	4 026956 147862	18 Carton/ pallet

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BG173113, Version 02, Stand 2021-03-08 , ersetzt Ausgabe vom 2008-07-03.

806 EUROSTRIP PROFILE

eurocol

808

the strong connection



EUROJOINT CONNECTOR

For reinforcing cracks in concrete floors, sand cement and anhydrite screeds in combination with 021 Euroblock Reno LE (possibly added with 846 Quartsand).

PRODUCT TYPING

Base	Corrugated metal strip measuring 75 mm x6 mm.
Color	Bare metal.

Strengthens/repairs cracked subfloors:

- For concrete floors
- For sand-cement screeds
- For anhydrite floors

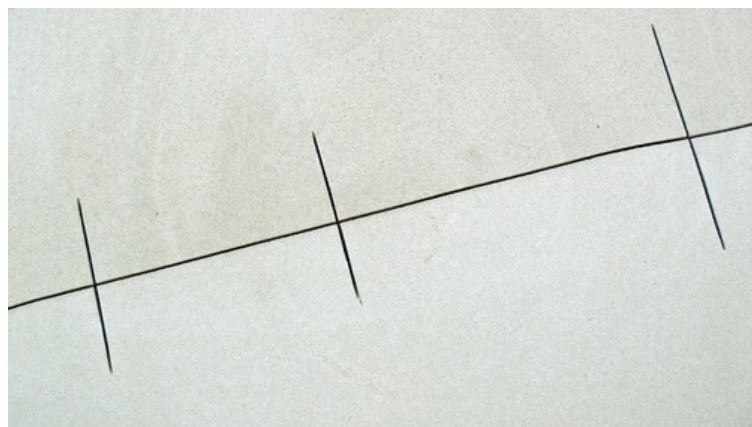
PROPERTIES

Consumption	Apply every 30-40 cm.
Flammability	Non-flammable.

APPLICATION

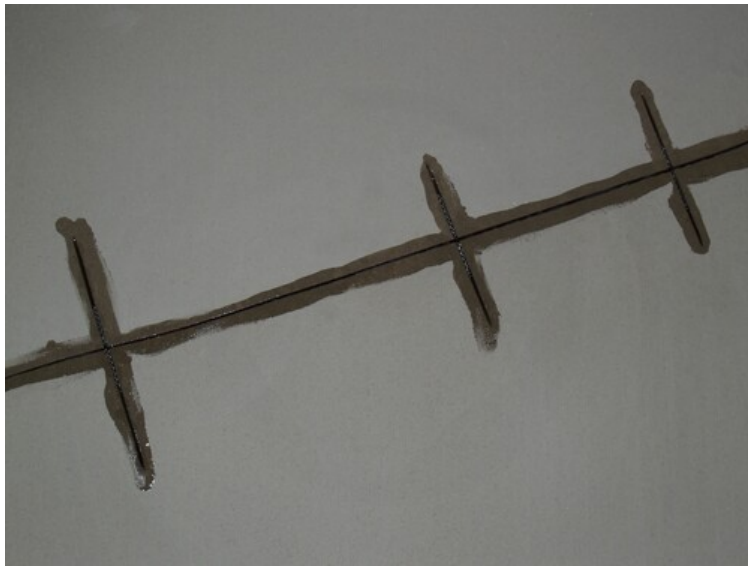
First strengthening/repairing cracks in a subfloor with 808 Eurojoint Connector in combination with 021 Euroblock Reno LE prior to levelling the floor, greatly reduces the risk of the crack showing and/or the creation of so-called mole tunnels in the floor finish.

Picture 1:



Picture 2:

808 EUROJOINT CONNECTOR



PROCESSING

Shelf Life	It can be kept indefinitely if stored in a dry location and at a normal temperature whilst still in the original, closed packaging.
Remarks	Do not close cracks in expansion joints. To close joints in mastic asphalt, use elastic filling compound. E.g. Eurocol 910 Europlan PU Duo. Rework poorly sanded areas of the filling compound. Consult our application technology department.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

- If necessary, grind the crack in the floor using an angle grinder.
- Make cuts perpendicular to the crack every 30-40 cm in which the 808 Eurojoint Connector fits. The Eurojoint Connector should be equally long on both sides of the crack.
- Use an industrial vacuum cleaner to remove any dust from the crack and the perpendicular cuts.
- Place the 808 Eurojoint Connector in the perpendicular cuts.
- Use 021 Euroblock Reno to fill the crack and the perpendicular cuts (see picture 2). A mixture of 021 Euroblock Reno and 846 Quartsand can be used to fill large cracks.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

ITEM DATA

Article	Definition	Packaging	EAN code
808	Eurojoint Connector	Box with 1000 strips	8 710345 808217

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808 EUROJOINT CONNECTOR

infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG171652, Version 01, Stand 2020-11-25

808 EUROJOINT CONNECTOR

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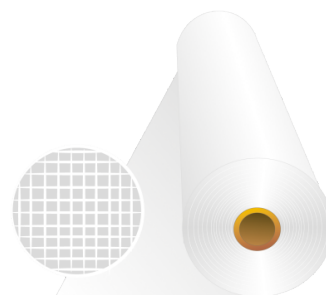
eurocol

810

the strong connection

EUROFLOOR FORCE FABRIC

Reinforcement fabric, for weak subfloors before levelling.



PRODUCT TYPING

Base	Polyester fabric
Color	White.
Format	Length 50 m. Width 1 m.

- Tear-resistant polyester fabric for subfloor surface reinforcement and load distribution.
- In particular for not sufficiently pressure resistant, unstable or deformable subfloors such as wooden boards, glued down insulation underlays, CV floor coverings and point-elastic sports floors before levelling works.
- Easy application.
- Moisture-resistant.

PROPERTIES

Frost resistance	yes.
------------------	------

APPLICATION

For not sufficiently pressure resistant, unstable or deformable subfloors.

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 months, in unopened packaging.
Remarks	Technical information and safety data sheets of other laying materials must be observed!

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The subfloor must be prepared professionally according to the conditions, so that with levelling and filling work can be started.
- A system-compliant primer is applied, as far as the connection with the selected levelling compound is necessary.

Instruction manual:

- Reinforcing fabric must be rolled out, cut off and fixed with staples at the edges and in the overlapped seam area. It is also possible to fix it with a suitable primer or adhesive.
- For smaller areas, loose laying out is also sufficient.

810 EUROFLOOR FORCE FABRIC

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

ENVIRONMENT AND HEALTH

Safety and environment Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

ITEM DATA

article	productname	packaging	shipping unit
810	Eurofloor Reno Fleece	roll à (50*1) m	40 rolls/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG44560, Version 02, Stand 2021-03-08 , ersetzt Ausgabe vom 2018-11-21.

810 EUROFLOOR FORCE FABRIC

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Eurocol is part of the Forbo Group



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811

the strong connection



EUROPLAN FIBRE

Fibre to reinforce levelling compounds, crack repair, for fortifying levelling compounds.

PRODUCT TYPING

Base	Fibreglass.
Color	White transparent.

- Special fibre to be added to cement- and calcium sulphate- (gypsum) based levelling compounds to reinforce and to increase the load bearing capacity, stability and durability of levelling compounds, to minimize inherent tension formation during drying process, and to increase their pressure resistance.
- Recommended when levelling compounds are to be applied on mastic asphalt and on gypsum flooring panels.
- Easy to mix.
- Low consumption: one bag sufficient for one 25 kg sack of levelling compound.
- Alkali-resistant
- Improves the bending strength of levelling compounds
- Moisture absorption capacity of the levelling compound will maintain
- Easy to add without lumps
- Levelling compound remains suitable for sandpapering
- Flow qualities of the levelling compound will maintain

PROPERTIES

Consumption	One bag to 23 or 25 kg of levelling compound.
Flammability	Non-flammable.
Frost resistance	Yes.

APPLICATION

For fortifying levelling compounds:

- in case of wooden floors
- in case of critical subfloors
- in case extreme high requirements are demanded from the subfloor.

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 months, in unopened packaging. At dry storage and a normal temperature, unlimited storable if kept in unopened packaging
Remarks	Technical information and safety data sheets of other laying materials must be observed!

811 EUROPLAN FIBRE

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Instruction manual:

- Mix the levelling compound free of lumps according to the regulations.
- Add one bag 811 Europlan Fibre equally to the mixed levelling compound.
- After the appropriate waiting time mix the levelling compound briefly and apply the mortar immediately with a grouting trowel.
- Roll the wet levelling compound layer with a spiked roller to improve the de-aeration.
- Application with a notched smoothing trowel will cause separation of the mortar and added fibres and will result in deterioration of the levelling compound.
- Follow the normal directions for use.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
811	Europlan Fibre	Carton with 50 bags of 250 grams	4 026956 134763
811	Europlan Fibre	Bag of 250 grams	8 710345 811118

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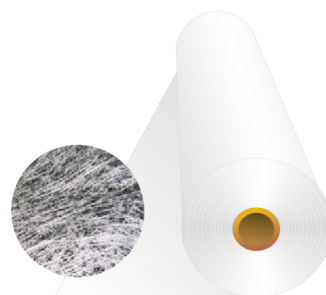
BG74200, Version 02, Stand 2019-04-25 , ersetzt Ausgabe vom 2009-04-29.

811 EUROPLAN FIBRE

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813

the strong connection



EUROFLOOR FORCE FIBRE

Reinforcing scrims, for load distribution, before levelling work, the fibre scrims are separated into individual fibres and which additionally reinforce the levelling compound.

PRODUCT TYPING

Base	Fibreglass.
Format	Length 50 m. Width 0,97 mm.

- Special fibre reinforcement, in sheets, for use on unstable substrates and for bridging dry shrinkage cracks in selflevelling compounds.
- Especially suitable for screeds in need of renovation.
- Non-rotting.
- Moisture resistant.

PROPERTIES

Flammability	Non-flammable.
Frost resistance	yes.

APPLICATION

For use on unstable substrates and for bridging dry shrinkage cracks

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 Months, in unopened packaging.
Remarks	Technical information and safety data sheets of other laying materials must be observed! Do not use in combination with fibre levelling compounds.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The subfloor must be prepared professionally according to the conditions, so that with levelling and filling work can be started.
- A system-compliant primer is applied, as far as the connection with the selected levelling compound is necessary.

Instruction manual:

- Reinforcing scrims should be rolled out and cut off in one direction of travel, overlapping.
- Pouring in the levelling compound must be carried out in such a way that the direction of flow overflows the overlap of the scrim and does not flow under the reinforcing scrim.

813 EUROFLOOR FORCE FIBRE

- When wetted with the mixing water, the fibre binder dissolves very quickly and the special fibres are distributed within the liquid levelling compound. The fibres are completely bound over the entire cross-section of the filler and thus provide excellent reinforcement of the system.

Attention - only deaerate the levelling compound, under no circumstances squeegee, otherwise the fibres will be combed out of the liquid compound!

The self-levelling filler must be applied in a minimum layer thickness of 5 - 8 mm.

If necessary, especially with thin smooth coverings, fine adjustment of the surface or fine sanding can be carried out.

Processing conditions:

at least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%

ENVIRONMENT AND HEALTH

Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
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ITEM DATA

artikel	productname	packaging	shipping unit
813	Eurofloor Force Fibre	roll à (50*0,97) m	28 rolls/pallet

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BG144513, Version 02, Stand 2019-06-06, ersetzt Ausgabe vom 2014-08-19.

813 EUROFLOOR FORCE FIBRE

eurocol

815

the strong connection



EUROCLEAN HANDCLEAN

Cleaning wipes for cleaning smooth surfaces, hands and tools on which fresh silicone, PUR foam, adhesive, MS polymer, paint and other contamination is present.

PRODUCT TYPING

Base	Impregnated white wipes with special hi-tech cleaning formula.
Color	White.
Size	30 x 35 cm.

- Removes all possible contamination from hands and tools instantly
- 100 Ready-to-use cleaning wipes

PROPERTIES

Flammability	Flammable.
Sensitive to frost	Yes.

APPLICATION

815 Euroclean Handclean has been specially developed for professional removal of uncured residues of silicone, PU foam, adhesives, MS Polymer, paint and many other substances from hands, tools and various surfaces.

PROCESSING

Storage	Store upright in a cool, dry place. Store in original packaging at normal temperature (5° - 30 °C).. Do not store in the immediate vicinity of ignition sources or heat sources.
Shelf Life	Usable for 12 months after opening in tightly closed original packaging.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

- Pull one cleaning cloth out of the slot, ensuring that the lid is closed to prevent the remaining cloths from drying out.
- For optimal results, remove the spilled adhesive, PU foam or joint sealant immediately.
- For a glossy result, finish with a dry cloth.
- Do not use on porous surfaces such as untreated wood. For sensitive surfaces, test the product beforehand.

More information:

- Keep out of the reach of children.
- Ventilate the room well when using the wipes
- Do not eat, drink or smoke while using this product.
- Avoid contact with eyes and skin and use suitable protective equipment.

815 EUROCLEAN HANDCLEAN

- In case of contact with eyes or skin, rinse immediately thoroughly with water.
- Dispose of product residues in accordance with local environmental regulations and do not dispose of them in the sewer.
- The used wipes may be disposed of with normal household waste (residual waste) Do not throw in the toilet.
- Only submit packaging without residues for recycling.
- For detailed information about the safety measures, we refer to the safety information sheet on our website www.eurocol.nl.
- The product contains D-Limonene. May cause an allergic reaction.

ENVIRONMENT AND HEALTH

Hazard Class None.

MSDS For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

artikel	productname	packaging	EAN-code
815	Euroclean Handclean	Carton box with 6 dispensers of 100 wipes Dispenser of 100 wipes	4 026956 153085

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BG173815, Version 02, Stand 2019-06-18, ersetzt Ausgabe vom 2018-11-22.

815 EUROCLEAR HANDCLEAN

eurocol

820

the strong connection



DIM FLOOR

Sound insulating declutching mat.

PRODUCT TYPING

Base	PU-based mineral mat.
Size	70 x 100 cm.

- Sound insulating
- Bridges cracks
- Dimension stable
- Very simple application
- Suitable for underfloor heating systems
- Low VOC-emission
- Moisture-resistance

PROPERTIES

Thickness material	0,4 cm.
Weight	5.1 kg/m ² .
Contact noise insulation	Depending on the construction and application an improvement of Ico with max. 16 dB insulation (according to DIN-EN-ISO 140-8) or 5 dB (according to NEN-EN-ISO 140-8) can be reached.*
Warmth resistance	0.036 m ² K/W.
Warmth conduction	0.11 W/mK.
Adhesion	Adhesion strength according to DIN 53 292: 0.34 N/mm ² .
Consumption	
Flammability	B2.

APPLICATION

820 DIM Floor is a subfloor system for reducing contact noise. Because of the small system height of less than 4 mm it is an excellent solution for renovation projects. The system has been tested in accordance with DIN-EN-ISO 140-8. 820 DIM Floor is also suitable as a declutching mat. Subfloors that are subjected to light splitting (max. 2 mm), due to shrinkage of the subfloor or "expansion of the building", are declutched of the tile floor. In this way cracks in the tile floor will be provided. Apply in combination with 542 Eurofix Tack Plus (dry areas) or 705 Watertight Tile Adhesive (wet areas).

PROCESSING

Tools	Stanley-knife.
Application temperature	

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer

820 DIM FLOOR

thicknesses, are only guideline values.

Instruction manual:

Working method as a sound insulating mat:

- Place the mats along the borders of the subfloor, which are provided with 802 Foam Strips. To prevent sound leaks apply the foam strips also against the tiling.
- Apply 542 Eurofix Tack Plus on the subfloor with a lambswool roller. Apply the mats into the wet 542 Eurofix Tack Plus.
- Apply the mats stretching bond to one another (print at the upper side). Cut the mats with a stanley-knife.
- To prevent that the tile adhesive will cause a sound leak with the subfloor by the seams or borders, finish the seams and mat/foam strip connection with 685 Eurocoat (drying time approx. 1 hour).
- Apply the tiles with 705 Watertight Tile Adhesive (wet areas) or 709 Superflex (spreader 6x6 of 8x8 mm). When fixing in wet areas first apply and impervious layer of 705 Watertight Tile Adhesive of approx. 3 mm. After drying fix the tiles. Fix light-coloured tiles such as natural stone with 711 Uniflex or 720 Unicol (both suitable for application in wet and dry areas).
- Grout tiles after minimum 24 hours with 706 Special Grout WT (wet areas).
- Cut the foam strips with a knife and finish with a skirting or joint sealant.
- Laboratory research has proved that application of 820 DIM Floor, including tile completion can improve the impact-sound insulation with $\Delta L_{WY} +16$ dB (DIN-EN-ISO 140-8) or $\Delta L_{Jin} +5$ dB (NEN-EN-ISO 140-8). Although in practice the height of the improvement depends on the subfloor combination and condition. Therefore Forbo Eurocol gives no guarantee on the final achieved sound reduction.

Working method as a declutching mat:

- Application as mentioned above. Apply the mats tight to one another; it is not necessary to finish the seams and borders with 685 Eurocoat.

ENVIRONMENT AND HEALTH

Hazard Class None.

Safety and environment Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.

ITEM DATA

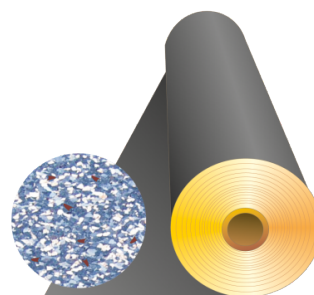
Article	Definition	Packaging	EAN-code
820	DIM Floor	Mat 70 x 100 cm	8 710345 828208

820 DIM FLOOR

eurocol

820

the strong connection



EUROFLOOR COMFORT

Step-sound absorbing underlay mat, for floor coverings and parquet.

PRODUCT TYPING

Base	PU-cork-based mat.
Color	Black-beige.

- PU-cork granulate based, elastic underlay.
- To improve step-sound insulation and/or for height adjustments in subfloor constructions in new and old buildings.
- Step sound improvement degree according to DIN 52210 certified with 2 mm vinyl floor covering: approx. 20 dB.
- Sound insulating
- Bridges cracks
- Dimension stable
- Very simple application
- The mat is bonded to the prepared subfloor over the entire surface using approved adhesive.
- Carpet, PVC-CV coverings and linoleum are installed with approved dispersion or reaction adhesives.
- Multi-layer or solid parquet is laid with reaction adhesives approved for this purpose. (For solid planks, please consult our application technology department).
- Very low emission. EMICODE EC 1.
- Emission-tested building product according to DIBt principles.

PROPERTIES

Contact noise insulation	20 dB conform DIN 52210 with 2 mm PVC floor covering..
Flammability	E fl
Frost resistance	Yes.
Special quality	2 mm, 3 mm, 5 mm available

APPLICATION

To improve step-sound insulation and/or for height adjustments in subfloor constructions.

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 Months, in unopened packaging.
Remarks	<p>Technical information and safety data sheets of any laying materials and floor coverings used must be observed!</p> <p>Allow the underlay to air condition in the rooms before laying. The underlay must be relaxed and laid out flat.</p> <p>The installation recommendations of the floor covering manufacturers must be observed with regard to the suitability of special underlay sheets under their coverings.</p>

820 EUROFLOOR COMFORT

In the case of resilient floor coverings, reference must be made to the changed chair castor and indentation behaviour of the overall construction. Ask for the suitability of the floor coverings and use chair underlays if necessary.

The possibility of cross lines being drawn by cutting tools cannot be ruled out for production reasons. These can be seen visually when thin floor coverings are laid through the top covering. Raised lines can be removed by grinding. Alternatively, they can be minimised with a scratch coat of Eurocol 900 Europlan DSP.

Please also observe any regional or national fire protection regulations that may be affected.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

- Before use, temper the product according to the processing conditions.
- The impact sound insulation mat must be rolled out, cut to size and bonded with a suitable Eurocol one-sided dispersion adhesive or reaction adhesive.
- Make sure that the joints are tight.
- The adhesive is glued 30 - 50 cm offset to the flooring to be laid later.
- For thin coverings, a scratch coat of 900 Europlan DSP can be applied to level the surface to achieve a more even surface appearance.
- When laying floating laminate or ready-made parquet, the mat can be laid loose.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Safety and environment Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

ITEM DATA

artikel	productname	packaging	shipping unit
820	Eurofloor Comfort	roll à (50*1) m, 2 mm	6 rolls/pallet
820	Eurofloor Comfort	roll à (30*1) m, 3 mm	6 rolls/pallet
820	Eurofloor Comfort	roll à (24*1) m, 5 mm	6 rolls/pallet

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This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

820 EUROFLOOR COMFORT

820 EUROFLOOR COMFORT

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Eurocol is part of the Forbo Group



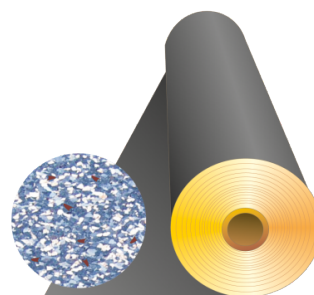
eurocol

the strong connection

821

EUROFLOOR COMFORT PRO

Step-sound absorbing underlay mat, for floor coverings and parquet. Fire resistant Bfl/S1 (DIN EN 13501-1).



PRODUCT TYPING

Base	PU-cork-based mat.
Color	Black-beige.

- PU-cork granulate based, elastic underlay.
- To improve step-sound insulation and/or for height adjustments in subfloor constructions in new and old buildings.
- Step sound improvement degree according to DIN 52210 certified with 2 mm vinyl floor covering: approx. 20 dB.
- Certified as Bfl/S1 in accordance with German standard DIN EN 13501-1.
- Sound insulating
- Bridges cracks
- Dimension stable
- Very simple application
- The mat is bonded to the prepared subfloor over the entire surface using approved adhesive.
- Carpet, PVC-CV coverings and linoleum are installed with approved dispersion or reaction adhesives.
- Multi-layer or solid parquet is laid with reaction adhesives approved for this purpose. (For solid planks, please consult our application technology department).
- Suitable for underfloor heating systems
- Low VOC-emission
- Moisture-resistance

PROPERTIES

Contact noise insulation	20 dB conform DIN 52210 with 2 mm PVC floor covering..
Flammability	Bfl/S1
Frost resistance	Yes.
Special quality	Fire resistance Bfl/S1

APPLICATION

To improve step-sound insulation and/or for height adjustments in subfloor constructions.

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 Months, in unopened packaging.
Remarks	Technical information and safety data sheets of any laying materials and floor coverings used must be observed! Allow the underlay to air condition in the rooms before laying. The underlay must be relaxed and laid out flat.

821 EUROFLOOR COMFORT PRO

The installation recommendations of the floor covering manufacturers must be observed with regard to the suitability of special underlay sheets under their coverings.

In the case of resilient floor coverings, reference must be made to the changed chair castor and indentation behaviour of the overall construction. Ask for the suitability of the floor coverings and use chair underlays if necessary.

The possibility of cross lines being drawn by cutting tools cannot be ruled out for production reasons. These can be seen visually when thin floor coverings are laid through the top covering. Raised lines can be removed by grinding. Alternatively, they can be minimised with a scratch coat of Eurocol 900 Europlan DSP.

Please also observe any regional or national fire protection regulations that may be affected.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.

Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365/DIN 18356/DIN 18352.

Minor unevenness is bridged by bonding the underlay.

Larger unevenness must be levelled with Eurocol levelling compounds suitable for the substrate and application.

The installation materials to be used must be suitable for the substrate and the intended use.

- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

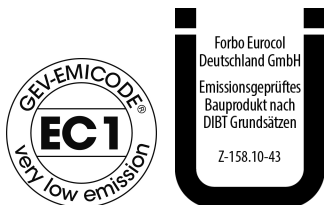
Instruction manual:

- Before use, temper the product according to the processing conditions.
- The impact sound insulation mat must be rolled out, cut to size and bonded with a suitable Eurocol one-sided dispersion adhesive or reaction adhesive.
- Make sure that the joints are tight.
- The adhesive is glued 30 - 50 cm offset to the flooring to be laid later.
- For thin coverings, a scratch coat of 900 Europlan DSP can be applied to level the surface to achieve a more even surface appearance.
- When laying floating laminate or ready-made parquet, the mat can be laid loose.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Safety and environment

Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

ITEM DATA

artikel	productname	packaging	shipping unit
821	Eurofloor Comfort PRO	roll à (30*1) m, 3 mm	6 rolls/pallet

821 EUROFLOOR COMFORT PRO

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BG144549, Version 03, Stand 2023-05-23, ersetzt Ausgabe vom 2017-10-26

821 EUROFLOOR COMFORT PRO

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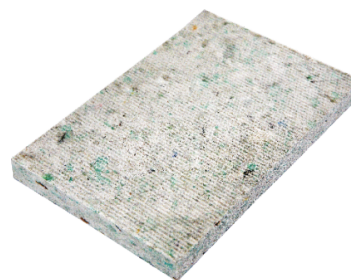
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823

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EUROFLOOR RENO

Underlay and decoupling panel.

Decoupling and height compensation before laying parquet or levelling or flooring works.

PRODUCT TYPING

Base	Polyester flakes, compressed.
Color	Light green.
Format	(100x60) cm, 4 or 9 mm thickness

- Polyester fibre plate, which has to be full-area glued down with recommended reactive Eurocol adhesives on suitable subfloors to decouple the floor covering construction from weak subfloors.
- Can also be used for height adjustments without levelling compounds, before the installation of parquet, ceramic tiles and different floor coverings.
- For the installation of floor coverings, the evenness and absorbency must be established with Eurocol levelling compounds.
- It significantly improves step sound insulation.
- Bridges cracks
- Dimension stable
- Very simple application
- Very low emission. EMICODE EC 1 Plus.
- Emission-tested building product according to DIBt principles.

PROPERTIES

Flammability	E fl
Frost resistance	Yes.
Special quality	Minimizes the shear stress to the sub floor.

APPLICATION

For decoupling flooring and parquet constructions from screeds and subfloors.

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 Months, in unopened packaging.
Remarks	Technical information and safety data sheets of other laying materials must be observed! In the case of old wooden floors, make sure that the old construction is sufficiently ventilated. When used over underfloor heating, the heating-up time may be delayed.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

823 EUROFLOOR RENO

Substrate:

- The substrate must be pressure- and tension-resistant, permanently dry, free of cracks and dust, even and free of layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Minor unevenness or cracks up to 0.5 mm are bridged by bonding and can be levelled with the adhesive.
- For levelling the substrate use recommended Eurocol levelling compounds/primers.
- The installation materials to be used must be suitable for the substrate and the intended use.

Instruction manual:

- Before use, temper the product according to the processing conditions.
- 823 Eurofloor Reno lay out loosely, cut to size with a circular or jigsaw or trapezoid knife.
- Leave an edge joint to rising components (wood substrate 10 mm, mineral substrates 5 mm).
- Use a Eurocol 1-component or 2-component parquet adhesive to glue the panels together in a half-bond over the entire surface.
- Select a toothed strip so that complete, grooved wetting is ensured on the back of the panels. (TKB B2/B3/B11).
- Rub well and roll on.

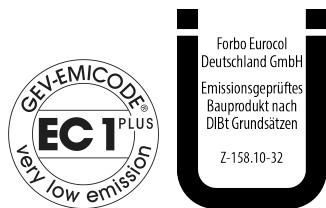
Solvent- or water-based adhesives are not suitable for gluing the panels.

- For following levelling work, wait for the adhesive to set.
- Pre-fill joints with stable filler 940 Europlan Quick or prime with 070 Europrimer Fill.
- Adopt edge joints to rising building components accordingly.
- Only use approved Eurocol levelling compounds that are also suitable for future use. The minimum layer thickness of the levelling compound must be 3 mm. If necessary, use additional 811 Europlan Fibre to improve the compressive strength of the levelling layer.

Processing conditions:

At least 15 °C floor temperature,
at least 18°C material and room temperature,
35-75% relative humidity, recommended <65%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Safety and
environment

Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

ITEM DATA

artikel	productname	packaging	shipping unit
823	Eurofloor Reno	box à 9 m ² (100*60) cm, 4 mm	10 boxes/pallet
823	Eurofloor Reno	box à 6 m ² (100*60) cm, 9 mm	10 boxes/pallet

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823 EUROFLOOR RENO

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BG144523, Version 04, Stand 2021-08-18, ersetzt Ausgabe vom 2021-03-08

823 EUROFLOORRENO

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the strong connection



EUROTAPE DOUBLETACK

Double-sided tape with elastic, dimensionally stable scrim backing, provided on both sides with a modified environmentally friendly acrylic adhesive with very high initial and final adhesion. For installing skirting boards, stair treads, metal and PVC (transition) profiles, locally fixing various types of floor coverings (jute back, action back, foam back, etc.) on various surfaces such as: plastic, wood, metal, ceramic, concrete, plasterwork, levelling compound, paint layers.

PRODUCT TYPING

Base	Scrim with acrylic adhesive with protective film.
Format	Grate length 50 mm and 90 mm, 50 m per roll. Thickness 0,23 mm. (via Germany)
Format	Grate length 50, 90 and 240 mm. 25 m per roll. Thickness 0,23 mm.

- Thread-reinforced, double-sided adhesive tape with high and durable adhesive effect and high thermal stability.
- Can be used for the safe and quick installation of carpet skirtings with both fleece and synthetic secondary backing, of stair profiles, finished steps and floor coverings on steps and risers. Also for the installation of resilient floor coverings on walls.
- On the floor, levelled floor surfaces or fully laid resilient floor coverings, e.g. PVC, linoleum, non-textured, smooth elastomeric coverings, ceramic tiles, terrazzo, wood-based panels or coatings are suitable.
- Skirtings can be effectively pre-coated in the workshop.
- For indoor use.

PROPERTIES

Frost resistance	Yes.
Passableness	Immediately walkable.
Special quality	High plasticiser resistance. Quick installation.
Performance	90° Peel strength: 42 N/25 mm (after 24 hours). Tack: 30 N/25 mm (after 1 minute). Shear strength at 22°C : 3 hours (1 kg / 25 x 25 mm). Shear strength at 50°C : 5 min. (1 kg / 25 x 25 mm).
Temperature reach	Frost-resistant to - 40 °C. Heat-resistant to + 120 °C.

APPLICATION

For installation of skirtings, profiles, stair tread elements (50, 90, 240 mm tapes).
Also for stabilising textile coverings in the seam area.

PROCESSING

Storage	Cool and dry, well closed at normal temperature (18 - 30) °C.
Open time	Permanently sticky.

840 EUROTAPE DOUBLETACK

Waiting time	None.
Drying	Immediate installation of skirting boards or floor coverings is possible.
Shelf Life	Minimum 12 months, in unopened packaging. Store upright. Wrap opened rolls in protective paper again.
Remarks	50, 90, 240 mm tapes use for full-surface, permanent bonding of skirtings or floor coverings to wall areas, steps. Textile coverings to be fixed must be tension-free and must not have a tendency to shrink (seam opening). PVC floor coverings must meet the normative requirements for dimensional stability. Floor coverings must not show any deformation during installation. Welding of resilient floor coverings can be carried out immediately after installation.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The subfloor must be even, permanently dry, pressure-resistant, crack and dust free. Loose adhesions must be removed.
- Minor unevenness or cracks up to 0.5 mm are bridged by the tape and can be evened out with the adhesive. Larger unevenness must be levelled out, especially with rigid skirting/profiles. An additional primer is usually not necessary, but is recommended for very rough surfaces.
- When laying on existing floor coverings, e.g. PVC, linoleum, non-textured, smooth elastomeric coverings, ceramic tiles, terrazzo, loosely adhering dirt must be removed with a cleaning agent such as Eurocol 888 Euroclean Uni. For wood-based panels, please contact our application technology department.
- Damaged areas or joints in ceramic tiles and terrazzo must be filled with a stable repair compound, smoothed and primed after drying.
- The smoother and flatter the surface, the better the adhesion. The final adhesion will increase over time.

Instruction manual:

- Follow the flooring manufacturer's installation instructions. Before use, temper the product and the floor covering to be installed according to the working conditions.
- If necessary, lay the adhesive tape butt to butt or cut back to butt in case of overlaps. Press firmly, use a cork rubbing board or rubber wall pressure roller! Do not remove the masking paper yet. Roughly adjust the floor coverings, peel off the backing paper in sections and insert the prepared coverings, cut them to size and press on firmly.
Do not remove any more backing paper, as it can be covered in a short time, do not let it get dirty (dust, do not walk on it).
- When fixing textile coverings in the seam area, the coverings are positioned to fit exactly. Fold back the seam area on one side, mark the joint edge on the floor, fold back the second seam area as well and install the adhesive tape in the middle of the marked seam area and press firmly. Remove masking paper and fold back both coverings and rub them in place. Do not use seam tensioners!
- When pre-coating profiles in the factory and the associated winding of prepared skirting boards/profiles, make sure that the winding tension of the skirting board does not lead to overstretching, which could possibly cause the skirting board to shrink.
- To ensure optimum adhesion, do not subject the glued parts on wall surfaces and in areas of a roller to stress for at least 24 hours. Walking areas can be walked on carefully immediately.

Working conditions:

At least 18 °C floor temperature,
At least 18 °C material and room temperature, maximum 30 °C,
50 - 60 % relative humidity.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Not applicable.

ITEM DATA

Article	Definition	Packaging	EAN-code
840	Eurotape 50 Doubletack	box à 12 rolls 50 mm x 25 mm 672 rolls per pallet	8 710345 840705
840	Eurotape 50 Doubletack (only via Eurocol Germany)	box à 5 rolls 50 mm x 50 mm 300 rolls per pallet	4 026956 116134
840	Eurotape 90 Doubletack	box à 6 rolls 90 mm x 25 mm 336 rolls per pallet	8 710345 840804

840 EUROTape DOUBLETACK

840	Eurotape 90 Doubletack (only via Eurocol Germany)	box à 3 rolls 90 mm x 50 mm 180 rolls per pallet	4 026956 116141
840	Eurotape 240 Doubletack	box à 2 rolls 240 mm x 25 mm 112 rolls per pallet	8 710345 840903

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BG173840, Version 02, Stand 2022-05-04, ersetzt Ausgabe vom 2021-05-04

840 EUROTAPPE DOUBLETACK

eurocol

846

the strong connection



QUARTZSAND

Flame-dried quartz sand, to be sprinkled in wet polyurethane and epoxy layers. Improves the adhesion of adhesives and levelling compounds. Can also be used as an additive for levelling compounds and repair mortars.

PRODUCT TYPING

Base	Flame-dried quartzsand.
Color	Beige.
Grain size	0.4 - 0,8 mm.

- Quartz flour-free, washed, flame-dried quartz sands for the surface sanding of Eurocol reactive primers before levelling work.
- For extending Eurocol levelling compounds approved for this purpose.
- Also for producing levelling mortar in combination with approved Eurocol 2-C-EP primers.
- Grain size 0.4 - 0.8 mm (846)
- Grain size 0,1 - 0,4 mm (847)

PROPERTIES

Colour fastness	Beige.
Flammability	Non-flammable.
Frost resistance	Yes.
Sensitive to frost	No.

APPLICATION

- Sprinkle the flame-dried 846 Quartzsand into the wet PU epoxy coats to optimise the adhesion of levelling compounds and cement-based tile adhesives on these materials.
- Use 846 Quartzsand an additive for levelling compounds and repair mortars, when applied in thicker layers and for 021 Euroblock Reno LE.

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 Months, in unopened packaging.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

846 QUARTZSAND

- Sprinkle 846 Quartsand evenly and fully covered in the wet PU or epoxy coats (gross spreading capacity app. 4.000 g/m²).
- After drying of the PU or epoxy coats remove excess sand thoroughly with a hard broom and/or industrial vacuum cleaner (net spreading capacity app. 1.500 g/m²).
- As an additive for levelling compounds and repair mortars add one part of 846 Quartsand to 3 parts of levelling compound or repair mortar.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

ENVIRONMENT AND HEALTH

Hazard Class	None.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

ITEM DATA

Article Definition Packaging EAN-code

846 Quartsand 25 kg bag 8 710345 846011

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BG171446, Version 04, Stand 2021-10-25, ersetzt Ausgabe vom 2021-03-08

846 QUARTZSAND

eurocol

847

the strong connection



CRISTAL SAND

Flame-dried cristalsand, (0,1 - 0,4) mm.

PRODUCT TYPING

Base	Flame-dried quartzsand.
Color	Beige.
Grain size	0.1 - 0.4 mm.

- Quartz flour-free, washed, flame-dried quartz sands for producing levelling mortar in combination with approved Eurocol 2-C-EP primers or 2-C grouting compounds.
- Grain size 0,1 - 0,4 mm

PROPERTIES

Flammability	Non-flammable.
Frost resistance	Yes.

APPLICATION

Filler for 702 Mylti-Epoxy. As a component for the production of levelling mortar.

PROCESSING

Storage	Store cool and dry in unopened packaging.
Shelf Life	Minimum 72 Months, in unopened packaging.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

- Add max. 7 kg of 847 cristalsand, grain size 0.06-0.2 mm, to 5,5 kg 702 multi-Epoxy and stir, at least 3 minutes, thoroughly by using an electric stirrer, to a smooth and homogeneous mixture.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.
- For levelling mortar in combination with 846 Quartzsand, depending on the desired layer thickness and viscosity, a reaction mortar can be produced as a levelling mortar to stable filling mortar (mixing ratio mass% 1 : 0.8 to 1 : 9 - resin : sand). Please refer to the data sheets of the respective Eurocol reactive primers for their suitability.

ENVIRONMENT AND HEALTH

Hazard Class None.

847 KRISTALZAND

Safety and
environment

Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.

MSDS

For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

Article Defenition Packaging EAN code

847 Cristal sand 25 kg bag 8 710345 484718

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG171447, Version 04, Stand 2021-10, ersetzt Ausgabe vom 2021-03-08

847 KRISTALZAND

eurocol

880

the strong connection



EUROSEAL SILICONE

A silicone sealant for the durable elastic sealing of construction and sanitary joints, which must be able to absorb a movement of max. 25% of the joint width. Generally has excellent adhesion to enamel, glass, aluminium, brass and stainless steel, painted wood, concrete, masonry and plasticizer-free plastics. Suitable for indoor, outdoor and industrial areas. Low odour, acid-free and neutral curing. Durably elastic after curing. Non-corrosive to metals. Thanks to EMICODE EC 1PLUS (very low emissions) also suitable for BREEAM projects.

PRODUCT TYPING

Base	Siliconen oxim.
Color	Transparent, white, silver-grey, Manhattan-grey, grey, anthracite, Jasmin, basalt-grey, Buxy, Lightgrey, vintage, beige and transparent-grey.

- Emicode EC 1PLUS (very low emission)
- Odourless, acid-free and neutral curing
- Contains no plasticisers, MEKO or solvents
- Indoor and outdoor use
- Permanently elastic after curing
- UV, moisture, weather, water and fungus resistant, according to ISO 846 A+B
- Non-corrosive w.r.t. metals. 1-component
- Also suitable for natural stone

PROPERTIES

Application rate	Machine 2-3 bar, depending on nozzle opening, speed, etc.
Classification	International: ISO 11600 F+G-25 LM and in Germany: DIN 18545-E Joints .GEV-EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM projects. .
Elongation at break	According to DIN 53 504: approx. 500%.
Elongation value 100%	According to DIN 53 504: approx. 1.0 MPa (N/mm ²).
Sensitive to frost	No.
Practical movement capability	± 25%.
Shore A-hardness	According to DIN 53 505: 28.
Shrink	>5% g/g.
Skin forming time	Approx. 10 mins at 23 °C and a relative humidity of 55%.
Specific weight	1.035 kg/l.
Standby capacity	ISO 7390 mm <2.
Temperature resistance	After curing between -60 °C and +180 °C.
Tensile	: According to DIN 53 504: approx. 1.4 MPa (N/mm ²).

880 EUROSEAL SILICONE

APPLICATION

- Permanently elastic silicone kit for sealing construction and sanitary joints, which should be able to absorb a movement of up to 25% of the joint width.
- Suitable for sealing ceramic tiles, sinks, countertops, baths and showers linoleum and PVC floors. Bonding is generally excellent on enamel, glass, aluminium, brass and stainless steel, painted wood, concrete and masonry
- Also suitable for unplasticised polymers like polycarbonate (Lexan® and Makrolon®), polyester, rigid polystyrene, ABS and most types of rigid PVC.
- Suitable for inside, outside and industrial areas where fungus growth is undesirable.
- Also suitable for natural stone.

PROCESSING

Storage	Store cool and dry in unopened packaging between +5 °C and + 25 °C.
Tools	Hand or air pressure kit pistol.
Curing	Minimum of 24 hrs. dependent on the relative air humidity and temperature. High temperatures reduce drying time, lower temperatures slow it down.
Skinning Time	Approx. 10 mins at 23 °C and a relative humidity of 55%.
Shelf Life	Approx. 12 months.
Application temperature	From +5° to +40 °C.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate should have sufficient compression resistance and tensile strength. The substrate should also be dry and free from grease, dirt and dust, in accordance with DIN 18 352. Substrate should be clean, dry and sound. An adhesion test is recommended before use.
- Adhesion is generally excellent on enamel, glass, aluminium, brass and stainless steel and plastics. Where necessary, apply a primer to porous substrates.
- Not suitable for aquaria, PMMA, PE, PP, Teflon, bituminous substrates and wax or paraffin containing substrates. When used in poorly ventilated areas where UV light cannot enter, a light yellowing is possible. This may also take place through contact with chemical fumes or cleaning agents, especially during curing. Not paintable after curing.
- If in doubt about the applications, set up a preliminary test area or contact our Technical Advice department.

Instruction manual:

- Cut the tube above the thread with the special kit tube opener or a suitable snap-off blade. Screw the nozzle on to the holder and cut it at a slant to the correct size. Remove the cap and place the holder into the syringe.
- Apply 880 Euroseal Silicone evenly with a hand or air pressure kit pistol.
- After having applied the kit, finish it smoothly within 10 mins. (due to skin formation) For this, use a spatula or knife with 886 Euroseal Finisher or neutral soap water without citrus.
- To obtain an even contact of the sealant and the joint edges, use the mastic gun in such a way that under pressure, the material is pressed into the joint edges. Avoid air entrapment.
- Clean tools with turpentine. Mechanically remove cured residues.
- The setting speed of the adhesive and sealant will depend on the temperature and relative humidity. Process at a temperature of 23 °C and a relative humidity of 55%.

Joint dimensions:

Minimum width 4 mm
Maximum width 25 mm

Joints relationship:

Width	depth
4-8 mm	6 mm
10-12 mm	8 mm
14-16 mm	10 mm
18-20 mm	12 mm
22-24 mm	14 mm

Net estimated usage:

Joint metres per 310 ml tube for different joint sizes.

880 EUROSEAL SILICONE

Width x depth	Use
4 x 6 mm:	12.9 m
6 x 6 mm:	8.6 m
8 x 6 mm:	6.4 m
12 x 8 mm:	3.2 m
16 x 10 mm:	1.9 m
20 x 12 mm:	1.3 m

For the correct joint depth and prevention of three sided adhesion, use a suitable backing material.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl .

Environment and health

- Tested for emission of volatile organic compounds and has tested EMICODE EC 1PLUS according to EN 13999-2/4.
- Meets the criteria of BREEAM-NL HEA 9 Volatile organic compounds; promoting healthy and good indoor air quality because the building and finishing materials used cause low emissions of harmful volatile organic compounds and other harmful substances. Suitable for BREEAM new construction and renovation.
- Packaging is made of post-consumer recycled (PCR) plastic and is fully recyclable. Only hand in packaging without residues for recycling. Dried residues of material can be disposed of with household waste.

ITEM DATA

Article	Definition	Packaging	EAN-code
880	Euroseal Silicone	12x310 ml in a box	
	transparent		8 710345 880107
	white		8 710345 880206
	silver-grey		8 710345 880305
	Manhattan-grey		8 710345 880404
	grey		8 710345 880503
	anthracite		8 710345 880602
	Buxy		8 710345 880800
	Jasmin		8 710345 880749
	transparent-grey		8 710345 880008
	basalt-grey		8710345 880985
	vintage		8 710345 880138
	lightgrey		8 710345 880053
880	Euroseal Silicone	310 ml tube	
	transparent		8 710345 880114
	white		8 710345 880213
	grey		8 710345 880510
	silver-grey		8 710345 880312
	Manhattan-grey		8 710345 880411

880 EUROSEAL SILICONE

anthracite	8 710345 880619
Buxy	8 710345 880817
Jasmin	8 710345 880756
transparent-grey	8 710345 880015
basalt-grey	8 710345 880992
vintage	8 710345 880121
lightgrey	8 710345 880046

The 880 Eurosol Silicone is available in the colours:

White:



Silver-grey:



Manhattan-grey:



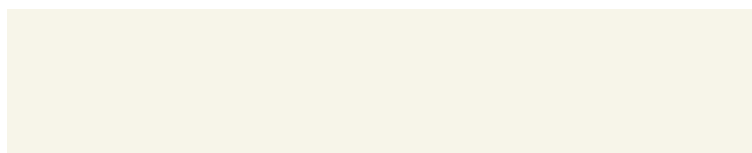
Grey:



Anthracite:



Jasmin:



Buxy:

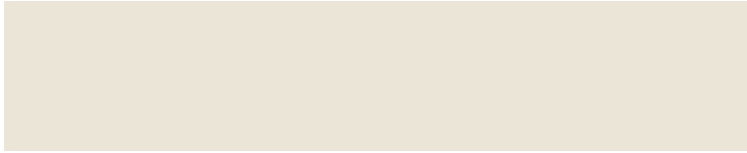
880 EUROSEAL SILICONE



Basalt-grey:



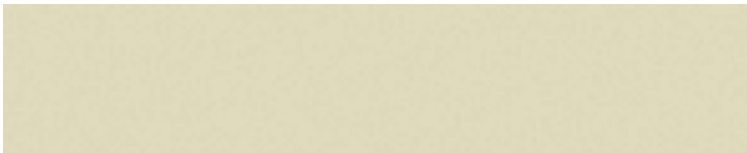
Vintage:



Lightgrey:



Beige:



880 EUROSEAL SILICONE

eurocol 882

the strong connection



EUROBOND HIGHTACK

A very strong, elastic and widely applicable construction and/or assembly adhesive with an extremely high initial adhesion for heavy-duty and directly fixed bonding of almost all surfaces and building materials, without the use of adhesive clamps, fixing tape and/or stamps. This sealant is based on hybrid technology that hardens due to humidity and forms a durable, elastic rubber. Suitable for indoor and outdoor use and industrial spaces. Due to EMICODE EC 1PLUS (very low emissions), it is also suitable for BREEAM projects.

PRODUCT TYPING

Base Hybrid

Color White.

- EMICODE EC 1PLUS (very low emissions)
- Very high initial adhesive force approx. 400 kg/m²
- Durably and permanently elastic, max. movement capacity 20%
- Suitable for indoor and outdoor use
- High final strength
- Good resistance to UV, moisture, weather, water and ageing
- Not corrosive to metals
- Odourless, tack-free, shrink-free and blister-free-curing hybrid system
- Very wide range of use
- Free from isocyanates, solvents and silicone
- Can be painted over

PROPERTIES

Classification	International: ISO 11600 F+G-25 LM and in Germany: DIN 18545-E Joints. GEV-EMICODE EC 1PLUS (very low emissions) tested according to EN 13999-2/4. Suitable for BREEAM projects.
Consumption	
Elongation at break	According to DIN 53 504: approx. 250%.
Elongation value 100%	According to DIN 53 504: approx. 1.65 MPa (N/mm ²).
Sensitive to frost	Yes.
Practical movement capability	± 25%.
Shore A-hardness	According to DIN 53 505: 65.
Shrink	No.
Skin forming time	Approx. 10 min at 23 °C and 55% relative humidity.
Specific weight	1.58kg/l.
Temperature resistance	After complete curing, approx. -40 °C and +100 °C
Tensile	: According to DIN 53 504: approx. 2.90 MPa (N/mm ²).
Strength	: ISO 7390 mm < 2.
Mechanical values	: 2 mm film.
Shear strength	: According to ISO 4587 approx. 2.70 MPa (N/mm ²).

882 EUROBOND HIGHTACK

APPLICATION

For heavy-duty and directly fixed bonding to almost all surfaces and building materials, without the use of adhesive clamps, fixing tape and/or stamps. Suitable for bonding/assembly of: Ceramic tiles, mirrors, natural and hard stone, marble, granite, concrete and other critical and/or porous materials. Also suitable as an assembly and/or construction adhesive for PVC, MDF, wood, metal, panels, skirting boards, profiles, frames, slats, beams, stones, tiles, insulation and sheet materials, etc. Suitable for indoor and outdoor use and industrial spaces.

PROCESSING

Storage	In a cool and dry place in original closed packaging at a temperature between +5° and +25 °C.
Tools	Professional sealant gun.
Curing	Minimum 24 hours depending on relative humidity and temperature. High temperatures shorten the drying time, while lower temperatures delay it.
Skinning Time	Approx. 10 min at 23 °C and 55% relative humidity.
Drying	Hardening after 24 hours at 23 °C and 55% relative humidity and a layer thickness of 3 mm.
Shelf Life	Maximum 15 months (after production date) in original closed packaging.
Application temperature	From +5 °C to +40 °C.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The surface must have sufficient compressive and tensile strength. The surface must also be dry, free of grease, dirt and dust according to DIN 18 352. An adhesion test before use is recommended.
- In general, adheres excellently to mirrors, natural and hard stone, marble, granite, concrete, stone and other critical/porous materials, MDF, wood, ceramic tiles, metal, etc. For porous surfaces, apply a dispersion primer such as 049 Europrimer ABS or 099 Dispersion Primer if necessary.
- Considering the diversity of materials in the market, if you have any doubts about the application, it is recommended to set up a test area in advance or contact our Technical Advice department.
- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene or bituminous surfaces. Also not suitable for continuous water loading and joint sealing.
- In case of doubt about the applications to be used, set up a test area in advance or contact our Technical Advice department.

Instruction manual:

- Cut the tube above the thread with the special sealant tube opener or a suitable Stanley knife.
- Due to the material's low viscosity, we recommend spraying it using a professional sealant gun combined with the standard V-seam nozzle.
- Apply 882 Eurobond HighTack in even grooves. Do not apply in dots. For larger surfaces, apply vertically (ventilating) in uniform grooves with spacing between of at least 10 cm and maximum 20 cm. The ideal adhesive thickness is 2-3 mm.
- Does not stain porous and absorbent materials. Also does not cause edge zone contamination on materials such as natural stone and concrete.
- After complete curing, it is possible to sand the sealant.
- After skin formation, this sealant can also be easily painted over with a dispersion paint. If a synthetic paint system is used, it will dry more slowly.
- Clean uncured material on the surface, tools, hands and skin with 815 EuroClean HandClean. Hardened residues on the surface can only be removed mechanically.
- The setting speed of the adhesive depends on the surface temperature, ambient temperature and relative humidity. This sealant is based on hybrid technology and hardens due to the humidity in the atmosphere, as well as other factors.

Environment and health

- Keep out of the reach of children.
- Ventilate the room thoroughly during and after the processing and drying process.
- Do not eat, drink or smoke while processing this product.
- Avoid contact with eyes and skin and use appropriate means of protection.
- In case of contact with the eyes, rinse immediately with plenty of water and consult a doctor.
- Dispose of product residues and cleaning water according to the local environmental regulations and do not pour into drains.
- The packaging is made from post-consumer recycled (PCR) plastic and is fully recyclable. Only send packaging without residues for recycling. Dried residues of material can be disposed of in household waste.
- For detailed information on safety measures, please refer to the safety information sheet on our website eurocol.nl.
- Milieuproductverklaring/Environmental Product Declaration not yet available.
- Tested for emissions of volatile organic compounds and has passed the EMICODE EC 1PLUS test in accordance with EN 13999-2/4.
- Meets the criteria of BREEAM-NL HEA 9 Volatile Organic Compounds; promotes healthy and good indoor air quality due to the construction and finishing materials used having low emissions of harmful volatile organic compounds and other hazardous substances. Suitable for BREEAM new construction and renovation.
- This product contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine. May cause an allergic reaction.

QUALITY AND GUARANTEE

882 EUROBOND HIGHTACK



ENVIRONMENT AND HEALTH

MSDS For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN code
882	Eurobond Hightack	290 ml tube	8 710345 882002
882	Eurobond Hightack	12x290 ml in a box	

882 EUROBOND HIGHTACK

eurocol

891

the strong connection

EUROCLEAN BASIC

Universal basic cleaner and also suitable for linoleum.

PRODUCT TYPING

Base	Water-soluble tensides.
Color	Transparent.
Consistency	Thin liquid.

- Water-based basic cleaner for basic or intensive cleaning and decoating of suitable, resilient floor coverings (PVC, CV, elastomeric flooring, linoleum, sealed parquet) as part of regular cleaning work.
- Removes stains, footprints, soiled wax residues and worn polymer layers on waterproof floor coverings or other smooth surfaces.
- For the removal of fixation residues from dense surfaces.
- Can be diluted with water.
- Request instructions for the different types of floor coverings!

PROPERTIES

Consumption	depending on degree of dirtiness, approx. 15 - 70 m ² /litre.
Flammability	Non-flammable.
Frost resistance	No.
Special quality	pH 8 - 9, suitable for Linoleum.
Specific weight	Approx 1.0 kg/l.

APPLICATION

Basic cleaner for general or intensive cleaning of water-resistant surfaces.

PROCESSING

Storage	Store cool and free from frost (5°- 30 °C).
Tools	Wiper, cleaning pads.
Mixing ratio	Approx 1 : 5 with cold water.
By drying	12 - 24 hrs.
Shelf Life	Minimum 36 Months, in unopened packaging.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- Test the colourfastness of the surface/covering in a concealed area before use.

891 EUROCLEAN BASIC

- The sealing of parquet and cork floors must be completely closed.
- Coarse dirt must first be removed by sweeping or vacuuming.

Instruction manual:

- Moisten the floor with clear water.
- Use 891 Euroclean Basic undiluted or dilute up to 1:5 with cold water, depending on the degree of dirtiness / thickness of the polymeric coating to be removed.
In case of very old coatings, use undiluted or repeat the cleaning process.
- Spread the solution on the floor. Use a spray can or mop. Leave on for approx. 10 minutes, but do not let it dry.
- Loosen stubborn dirt with a brush or suitable pad, immediately remove dissolved dirt with the dirt liquor using a wet Hoover or cloth / mop.
- On stubborn fixation or adhesive residues that are not older than a few days, apply diluted 1:1 or, if necessary, concentrated. In case of old fixation residues, apply several times undiluted or let it work for a longer time, if necessary cover with film overnight. Remove the swollen adhesive residues mechanically, if necessary using cleaning machines.
- Finally, wipe twice with clear, cold water to remove all residues, wipe the floor dry.
- All thoroughly cleaned surfaces, especially parquet floors / floor coverings, must be re-applied after intensive cleaning. The floor must be completely dry before being treated (see care instructions for the floor covering, approx. 12 - 24 hours).

ENVIRONMENT AND HEALTH

GISCODE	GG60
Hazard Class	Product contains hazardous ingredients. Please observe the notes in the Safety data sheet!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For extensive information about safety and environment we refer to our website www.forbo-eurocol.de .

ITEM DATA

artikel	productname	packaging	shipping unit
891	Euroclean Basic	PE jerrycan à 10 l	60/pallet
891	Euroclean Basic	PE jerrycan à 2,5 l	8/box 120/pallet

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BG175070, Version V09, Stand 2023-03-13, ersetzt Version vom 2019-05-14.

891 EUROCLEAR BASIC

LIQUID **DESIGN**

the strong connection

eurocol

312

the strong connection



CONDITIONER

For cleaning and maintaining BetonDesign and LiquidDesign floors. Provides the floor with extra protection and reduces the adhesion of dirt. Protective layer can be removed and replaced during the next cleaning. The appearance of the floor is retained without increasing the gloss.

PRODUCT TYPING

Color	Transparent.
Consistency	Thin liquid.

- Cleans and maintains in one treatment
- Creates a dirt-repellant film
- No visible changes to the BetonDesign
- Economical in use
- Fresh pine scent

PROPERTIES

Consumption	250 grams of Conditioner to 10 litres of water.
Flammability	Non-flammable.
Sensitive to frost	Yes.
Passableness	Once it is completely dry.
pH-value	10
Specific weight	1.02 kg/l.

APPLICATION

For cleaning and conditioning BetonDesign, FloorDesign and FloorColouring floors. The floor is protected by a film that ensures that grime is less likely to become engrained. This film is removed at the next cleaning. In the event of regular use, the look of the floor will be preserved (no shiny effect).

PROCESSING

Storage	Store cool and free from frost.
Tools	Use a mop, preferably microfibre, for maintenance, and a soft brush for cleaning.
Mixing ratio	In all cases, add 250 grams 312 Conditioner to 10 litres of water.
Shelf Life	12 months, in unopened packaging.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

312 CONDITIONER

Instruction manual:

- In case of day-to-day cleaning, first remove any dust and dirt with a dust swiffer and then remove stains with 312 Conditioner using a slightly damp mop. After drying, the floor can be walked on again.
- In the event of periodic cleaning the loose dust and/or dirt must first be removed with a dust swiffer or vacuum cleaner. Next, clean and condition the floor with 312 Conditioner using a damp mop. Once the floor has dried completely, it can be walked on again.
- In the event of occasional conditioning, the loose dust and dirt must first be removed by means of a vacuum cleaner. Then scrub the floor with 312 Conditioner using a soft brush. Remove the dirty water with a floor wiper and mop. Then clean one last time with just clean water and a mop. After drying, condition the floor by applying a film of 312 Conditioner using a mop. Once the floor has dried completely, it can be walked on again.
- Clean the mop and/or brush with water straight away.
- First, always consult our technical production information sheets on www.eurocol.nl.
- Avoid eye and skin contact and use suitable personal protection equipment (see the safety sheet for this).
- Do not release the product into the sewer system, open water or the ground in its undiluted form. Rinse empty jerrycans and bottles with tap water and dispose of them (recyclable material) according to locally applicable environmental regulations.
- In all cases, add 250 grams 312 Conditioner to 10 litres of water.

Product contains: non-ionic surfactants < 5%, soap < 15%, perfumes.

Working conditions:

Required surrounding temperature : 18 - 25 °C.

Temperature for material and subfloor : min. 15° - max 20 °C.

Relative humidity : 55 - 75%.

ENVIRONMENT AND HEALTH

Hazard Class	See safety data sheet.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	Available on request.

ITEM DATA

Article	Definition	Packaging	EAN-code
312	Conditioner	Bottle of 1 kg	8 710345 312011
312	Conditioner	Outer packaging 12 x 1 kg bottles	8 710345 312110

312 CONDITIONER

eurocol 350

the strong connection



LIQUIDDESIGN

A resilient liquid floor with a natural look & feel and aesthetic appearance. 2-component liquid mass with a balanced mixture of natural components such as cork, wood flour, modified castor oil and binding agents based on renewable raw materials. Available in 22 modern colours.

PRODUCT TYPING

Base	2-component liquid mass with a balanced mix of natural components such as cork, wood flour, modified castor oil and binders based on renewable raw materials. Component A: B 12.5: 4.5
Color	22 modern colours.
Consistency	Thick, liquid.

- EMICODE EC 1PLUS (very low emissions)
- Environmentally friendly
- Easy to process
- Low tension
- Resilience
- Outstanding adhesion
- Layer thickness approx. 2 mm
- Suitable to combine with underfloor heating

PROPERTIES

Bureau Wheelchair resistance	Suitable for use with desk wheelchairs. EN 425
Classification	GEV-EMICODE EC 1PLUS (very low emissions) tested according to EN 13999-2/4. Suitable for BREEAM projects.
Colour fastness	8 blue wool scale. EN-ISO-105-B2
Consumption	2.7 kg/m ² .
Flammability	See safety data sheet.
Sensitive to frost	Yes.
Passableness	After 12 hours.
Person-charge	< 0,5 kV. EN 1815
Shore D	Approx. 40 Shore D.
Slip resistance	DS: ≥ 0.45. EN 13893. R9 DIN 51130
Slip test	SRT pendulum dry: between 55 - 70, wet: >25. BS7976-2+A1
Specific weight	1.36 kg/l (A+B).
Thermal resistance	0.043 m ² x K/W.
Fire class	: Bfl-S1. EN 13501-1
Rest impression	: Approx. 0,02 mm. EN ISO 24343-1
Noise reduction	: ΔLw 5 dB directly applied to a levelling layer. ΔLw 14 dB applied to a 2 mm thick intermediate layer Corkment. EN-ISO 10140-3.

APPLICATION

Creates an attractive and permanently resilient liquid floor with a natural look & feel on a previously levelled surface. Thanks to natural and renewable raw materials, this liquid floor is environmentally friendly.

350 LIQUIDDESIGN

PROCESSING

Layer thickness	Approx. 2 mm
Storage	Store in a cool and frost-free place (between 10° - 30 °C and never in direct sunlight)
Tools	836 Decokam holder 28cm, 837 Decokam insert strip no. 78, 855 Mixing rod, 834 Bleed roller 20 mm, 824 LiquidDesign mixing bucket 20 litres, Sieve approx. 400 µm, Standard pinhole soles with studs (for applying 350 LiquidDesign), 835 Stump nail shoes (pin diameter min. 10 mm), for coating, 828 Microfibre roller 11 mm, width 25 cm and 830 Microfibre roller 11 mm, width 50 cm.
Sound reduction	ΔLw 5 dB directly applied to a levelling layer. ΔLw 14 dB applied to a 2 mm thick intermediate layer Corkment. EN-ISO 10140-3.
Use class	Very heavy commercial use. Class 33. EN ISO 10874
Processing time	Approx. 30 minutes (depending on climate conditions).
Drying	Finish after at least 12 hours and the whole surface is completely hardened after 8 days.*
Shelf Life	9 months in unopened packaging.

* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

Substrate:

- 350 LiquidDesign should always be applied to a levelled subfloor. The subfloor must have sufficient compressive and tensile strength and be free of cracks. The subfloor must also be clean, permanently dry, free of grease and dirt and meet the requirements of DIN 18365. Check the residual moisture percentage (anhydrite floors max. 0.5% CM, cement screeds max. 2.5% CM). Preferably level the subfloor with 924 Europlan Hybrid. Cement-based subfloors can also be levelled with 960 Europlan Super. The flatter the floor is, the more attractive the end result will be. It is therefore recommended to sand the levelling layer lightly after complete drying with a gauze pad of coarseness 100 or finer and then remove dust thoroughly using an industrial vacuum cleaner.
- We recommend allowing both the 924 Europlan Hybrid and the 960 Europlan Super levelling layer to dry the day after the application and use this as a drying day. This will reduce the risk of blister formation in the LiquidDesign due to moisture retention after applying the primer.
- 350 LiquidDesign is not suitable for levelling surfaces.
- Before levelling, the surface must be properly pre-coated. This is important to ensure good adhesion of the levelling layer to the surface, but the primer also helps prevent air holes in the top layer of the levelling compound, so that they cannot pass through to the 350 LiquidDesign. This makes it necessary to prime highly porous subfloors and repair areas twice; the first layer must be completely dry before applying the second layer of primer. The choice of primer depends on the type of surface.
- Non-ventilated subfloors or subfloors poured directly on the sand bed, etc., must be provided with a moisture barrier instead of the above-mentioned primer layer.
- After sufficient drying of the levelling layer, sand it lightly and remove dust, then prime it with an opaque layer of 043 Europrimer Alphy. Apply the primer with an 828 or 830 Microfibre roller 11 mm. This applies both to 924 Europlan Hybrid and 960 Europlan Super. The primer layer must dry out for minimum 12 hours (overnight).
- Existing dilations in the surface must be respected and always continued in the 350 LiquidDesign.
- Always consult our technical product information sheets before starting work. In case of doubt about the applications to be made, contact our Technical Advice Department in advance.

Instruction manual:

Step 1. Preparation:

- Order sufficient product from one batch for large flooring projects.
- For all buckets of A-component to be processed (per colour), check that the batch number is the same. This prevents nuance differences in colour in the end result.
- Check that all necessary tools are present.
- Make sure that the material is sufficiently acclimatised in the room where it will be processed (min. 24 hours before processing). The material must have the same temperature as the surface on which it is processed.
- Check the residual moisture percentage (anhydrite floors max. 0.5% CM, cement screeds max. 2.5% CM), floor temperature and climatic conditions, ensuring they meet the indicated specifications. Also determine the dewpoint at the floor surface using e.g. a Caisson LVT-15 thermo-hygrometer. The surface temperature of the floor should be at least 3 °C above the dewpoint.
- Avoid direct sunlight during the work. If necessary, cover windows with cardboard, for example, so that the floor has the same temperature everywhere.

Step 2. Mixing:

- Mix the material (speed approx. 300 rpm) with a mechanical mixer, preferably in a separate room next to the room where the 350 LiquidDesign floor is being applied.
- Protect the floor and walls, etc., of the mixing area with e.g. plastic sheeting or an equivalent protective material and fix it to the surface with suitable tape.
- Shake the still closed can of component B gently and, after opening, add the entire contents to component A. Then mix the mass into a homogeneous composition (mixing time minimum 2 minutes).
- Pour the LiquidDesign mass into a clean, empty bucket and mix again for at least 1 minute.
- When processing multiple buckets of LiquidDesign, the same mixing time should be followed for each bucket, e.g. by using a stopwatch. In addition, the mixed LiquidDesign mass must be processed immediately. This makes it essential to maintain good communication between the mixer and the processor.

Step 3. Processing:

- If any holes have appeared in the levelling layer, these can be closed with LiquidDesign, e.g. using a putty knife, prior to applying the 350 LiquidDesign floor.
- Spread the 350 LiquidDesign mass evenly, using the 837 Decokam no. 78, with a layer thickness of approx. 2 mm on the floor. Do not apply a layer thickness of more than 2.5 mm. Uneven distribution can cause an aesthetic disturbance on the surface of the LiquidDesign floor.

350 LIQUIDDESIGN

- Replace the Decokam regularly (after approx. 300 m²) so that the correct layer thickness is always applied.
- Make sure that the LiquidDesign mass is not loaded with moisture (e.g. drops of sweat) to prevent bubbles forming in the top layer.
- Immediately after applying the 350 LiquidDesign layer, it must be rolled with the 834 bleed roller 20 mm to achieve an even distribution of cork particles and make the comb marks disappear. Use standard pinhole soles (after sharpening the sharp points in advance to avoid damaging the primer layer) to be able to walk through the wet applied LiquidDesign. Preferably, do not walk through the rolled mass again.
- After at least 12 hours of drying time, the LiquidDesign floor is walkable and sufficiently dry to be finished further with 355 LiquidDesign Finish. This paint system must be applied within 48 hours.
- Clean the tools immediately after use with 358 ToolCleaner, rinse them with tap water and then allow them to dry thoroughly..

Step 4. Finishing with 355 LiquidDesign Finish:

- Check the floor surface for any dust or other dirt particles; if present, remove them. Remove any pimples/bumps with 180/240 grit sandpaper
- Prevent footprints on the floor by wearing shoe covers.
- Shake the still closed can of component A well before use.
- Pour the base material (component A) into a mixing bucket and add the hardener (component B) completely while mixing.
- Mix the 2-component 355 LiquidDesign Finish with a mechanical paint mixer (speed approx. 300 rpm) for minimum 3 minutes.
- Pour the mixed 355 LiquidDesign Finish through a sieve (approx. 400 µm size) into a clean empty bucket and mix again with a clean paint mixer for minimum 1 minute.
- After approx. 10 minutes of waiting time, the mixed 355 LiquidDesign Finish can be applied.
- Spread the finishing layer evenly over the floor surface using a 828 or 830 Microfibre roller 11 mm previously saturated with 355 LiquidDesign Finish (consumption between 125 - 150 g/m²).
- Immediately after applying the finishing layer, roll over it with a saturated roller. Use a roller width of 25 cm or 50 cm depending on the floor surface area.
- Applying only one layer of 355 LiquidDesign Finish is sufficient.
- When applying the finishing layer, use 835 stump nail shoes (minimum diameter 10 mm) to avoid making depressions in the LiquidDesign floor. When doing so, keep walking in front of the roller.
- 80% of the paint will have hardened after 24 hours and the floor is then walkable with care.
- The finishing layer is completely hardened after 8 days. As a result, it is important that within the floor is not contaminated within these 8 days with dirt and/or moisture which can lead to damage to the floor finish. Covering is only possible with a vapour-permeable but waterproof covering fleece.
- Remove fresh (not yet hardened) paint spots directly with water. After hardening, the material can only be removed mechanically.
- Clean the tools immediately after use with tap water, then allow them to dry thoroughly. Microfibre rollers must not be re-used.
- Always consult our technical product information sheets before starting work. In case of doubt about the applications to be made, contact our Technical Advice Department in advance.
- Avoid contact with eyes and skin and use suitable protective equipment (see safety data sheet).

More information:

- Keep out of the reach of children.
- Ventilate the room thoroughly during and after the processing and drying process.
- Do not eat, drink or smoke while processing this product.
- In the event of contact with eyes or skin, flush with plenty of water immediately.
- Only send packaging without residues for recycling.
- Dispose of product residues and cleaning fluids according to the local environmental regulations and do not pour into drains.
- For detailed information on safety measures, please refer to the safety information sheet on our website eurocol.nl.
- Component B contains isocyanates. May cause an allergic reaction.

Tips for keeping your LiquidDesign floor looking beautiful:

- For cleaning and maintaining LiquidDesign liquid floors, we recommend 312 Conditioner. The protective film ensures that less dirt adheres. If used regularly, it preserves the appearance of the floor (without a shiny effect). Absolutely do not use chlorine or bleach.
- Ensure that there is a good clean-up system at the entrance.
- Equip chair legs with soft protection (such as cork or felt) and replace them quickly in case of damage/wear.
- Equip rolling furniture with soft wheels.
- Avoid long-term point loads, as this can lead to permanent damage.

Underfloor heating constructions:

LiquidDesign can be applied to floors with underfloor heating. The start-up protocol of the underfloor heating must be fully executed in advance in accordance with the supplier's guidelines. Switch off the heating one day before application; then switch the heating back on again at least 72 hours after painting, in steps of maximum of 5°C water temperature per day. Make sure that the floor temperature does not exceed 29 °C.

Processing conditions

Desired ambient temperature : 15° - 25 °C.

Temperature for material and underfloor : min. 15° - max. 20 °C

Relative humidity : 50 - 70%.

QUALITY AND GUARANTEE



ENVIRONMENT AND HEALTH

Hazard Class See safety data sheet.

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Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Sent digitally or available on www.eurocol.nl .

ITEM DATA

Article	Definition	Packaging	EAN-code
350	LiquidDesign	Component B: Environmentally friendly jerry can (based on PE), 4.5 kg.	
350	LiquidDesign	Component A: Environmentally friendly bucket (based on PE), 12.5 kg.	
	Titanium		8 710345350464
	Stone		8 710345350471
	Pearl		8 710345350488
	Ashes		8 710345350495
	Silver		8 710345350501
	Platinum		8 710345350518
	Lead		8 710345350525
	Zinc		8 710345350532
	Concrete		8 710345350549
	Steel		8 710345350556
	Quartz		8 710345350563
	Bark		8 710345350570
	Diamond		8 710345350587
	Grey Jade		8 710345350594
	Sand		8 710345350600
	Vintageblue		8 710345350617
	Olive		8 710345350624
	Lemon		8 710345350631
	Deep Ocean		8 710345350648
	Aubergoine		8 710345350655
	Rust		8 710345350662
	Charcoal		8 710345350679

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LIQUIDDESIGN FINISH

2-component, water-based, transparent semi-gloss topcoat based on polyurethane for 350 LiquidDesign liquid floors.



PRODUCT TYPING

Base	2-components, water-based, transparent satin-matt polyurethane based topcoat. Component A : B. 86 : 14.
Color	Component A: Milky fluid. Component B: Clear transparent liquid.
Consistency	Thin liquid.

- Beautiful satin-matt finish
- Low VOC content
- Water-based
- Non-yellowing
- Easy to work with
- Good wear resistance
- UV-resistant
- Good chemical resistance
- Low sensitivity to scratching
- Extremely good bonding
- Odourless

PROPERTIES

Consumption	125 – 150 g/m ² .
Flammability	Component A: not inflammable, Component B: flash point > 205 °C.
Frost resistance	No.
Passableness	Fully hardened After 8 days at 20 °C (full mechanical and chemical carrying capability).
Specific weight	1.01 kg/l.

APPLICATION

For the application of a single layer coat as finishing on a LiquidDesign self-levelling floor.

PROCESSING

Storage	Store in a cool and frost-free place (between 5° - 30 °C).
Tools	Paint roller type: 11 mm micro fibre roller.
Mixing ratio	100 parts by weight of component A 16 parts by weight of component B.
Processing time	30 minutes (at 20 °C and a relative humidity of 60%).
Drying	Can be walked on after 24 hours at 20 °C.

355 LIQUIDDESIGN FINISH

Shelf Life	6 months, in unopened packaging.
Cleaner	Water.
Remarks	EMICODE, for more information visit www.emicode.com .

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The 350 LiquidDesign self-levelling floor must be applied according to the steps in the instructions for use.
- This layer must be completely dry. At least 12 hours after application.
- The substrate must be clean, consistently dry, and free from grease, dirt and dust.

Instruction manual:

- Lightly shake the closed can of component A (turning it upside down 3 times is sufficient).
- Pour the basic material (component A) into a mixing bucket and add the entire hardening agent (component B) whilst stirring.
- Mix the 2-component 355 LiquidDesign Finish for at least 3 minutes using a mechanical paint mixer (speed approx. 300 revolutions/min.).
- Pour the mixed 355 LiquidDesign Finish through a sieve (approx. 400 µm grade) into a clean empty mixing bucket and mix it again with a clean paint mixer for at least 1 minute.
- Apply the finish coat after a 10 minutes waiting time.
- Avoid foot prints on the floor by using shoe covers.
- Spread the finish coat evenly over the floor surface by using an 11mm micro fibre roller (usage between 125 – 150 g/m²).
- Immediately after application of the finish coat, roll over it again with a wet, unsaturated roller. Depending on the size of the floor area a roller width of 250mm and/or 500mm can be chosen. Application of one single layer 355 LiquidDesign Finish coat is sufficient.
- When applying the finish coat wear spiked shoes with flat studs (minimum of 10 mm diameter) in order to avoid indentations in the 350 LiquidDesign self-levelling floor. Do not walk through the rolled layer!
- The finished floor is carefully walkable after a drying time of at least 24 hours.
- After 24 hours the finished floor is cured for 80%.
- After 8 days the finished floor is fully cured.
- It is important that during these 8 days the floor will not be stained and/or dampened, as this may lead to a damaged finish. **Covering the floor is not allowed.**
- Fresh (not yet hardened) product stains can be removed immediately with water. After hardening the material can only be removed mechanically.
- Clean tools immediately after use with water.
- Always consult our technical product data sheets if in doubt. If in doubt about the application of the product, please contact our Technical Help Desk beforehand.
- Avoid contact with the eyes and skin and wear suitable personal protection equipment (please see the safety sheet).

Component B contains hydrophilic aliphatic polyisocyanate. It may cause an allergic reaction.

Appropriate training must be completed by 24 August 2023 for industrial or professional use.

More information:

- Keep out of reach of children.
- Thoroughly ventilate the area during and after application and drying process.
- Do not eat, drink or smoke whilst working with this product.
- If in contact with eyes or skin, rinse immediately and thoroughly with water.
- Only recycle packaging without product residues.
- Dispose of product residues and cleaning water according to locally applicable environmental rules and not into the sewers.
- For comprehensive information about the safety measures refer to the safety information sheet on our website www.eurocol.nl or www.eurocol.co.uk.

Tips to maintain your LiquidDesign floor:

- For cleaning and maintaining LiquidDesign floors we advise 312 Conditioner. The protective film ensures less dirt will attach. If regularly used, the appearance of the floor will be preserved (no shiny effect). Never use chlorine or bleach!
- Provide a proper door mat at the entrance.
- Use soft protection underneath chair legs (e.g. cork or felt), and replace them in time if they get damaged.
- Rolling furniture should be fitted with soft castors.

Working conditions:

Required ambient temperature : 10 - 23 °C.

Temperature for material and substrate : min. 10° - max. 23 °C

Relative air humidity : 50 - 70%. (> 60% make sure there is sufficient ventilation).

ENVIRONMENT AND HEALTH

355 LIQUIDDESIGN FINISH

Hazard Class	See safety data sheet.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Available on request.

ITEM DATA

Article	Definition	Packaging	EAN-code
355	LiquidDesign Finish	Component A: 4.25 kg Jerrycan (PE)	8 710345355001
355	LiquidDesign Finish	Component B: 0.75 kg Bottle (PE)	8 710345355018

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

355 LIQUIDDESIGN FINISH

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TOOLCLEANER

For cleaning LiquidDesign tools. Also suitable for cleaning e.g. adhesive mixers (also 2-component) and tools, machines, floors contaminated with resins/plastics (polyesters, polystyrene, polyurethane, polyamides, polyimides) ink, paint, stickers/adhesive residues, tar and bituminous contamination. 358 ToolCleaner works on various surfaces and materials. We recommend always carrying out a test on a less visible place first.

PRODUCT TYPING

Base	Surfactant.
Color	Transparent.
Consistency	Thin liquid.

- Biodegradable
- Very high flashpoint
- Methylene chloride-free
- Non-corrosive
- Silicone-free

PROPERTIES

Consumption	Depending on application.
Flammability	Very high flashpoint.
Sensitive to frost	No.
Special quality	Effective cleaner for adherent adhesive soiling.
Specific weight	0.99 kg/l.

APPLICATION

For the cleaning of LiquidDesign tools. Also suited for the cleaning of, for example, adhesive mixers (including two component adhesives) and tools, machines, floors contaminated with resins/plastics (polyesters, polystyrene, polyurethane, polyamides, polyimides) ink, paint, stickers/glue residues; tar and bituminous pollution. 358 Toolcleaner can be used for removing epoxy veil and spots on ceramic wall and floor tiles.

PROCESSING

Storage	In a cool ventilated place, in the sealed, original container.
Tools	Brush, roller and through immersion and/or rinse.
Mixing ratio	Only apply the 358 ToolCleaner undiluted.
Shelf Life	24 months in unopened container.

358 TOOLCLEANER

Cleaner	Water.
Remarks	Avoid contact with skin and eyes and wear suitable protective equipment.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Instruction manual:

Instructions for use when cleaning LiquidDesign tools:

- The 358 ToolCleaner must be used undiluted.
- The cleaning of LiquidDesign tools must be performed immediately after use. It can easily be performed by pouring a certain amount of 358 ToolCleaner into a bucket. By immersing the tools and using a (plastic) brush, any remaining 350 LiquidDesign is easily removed. Then rinse the tool in tap water and leave to dry or dry with a clean cloth.
- When cleaning the stainless-steel ventilator roller we recommend using a rectangular tray in which the stainless-steel ventilator roller will fit. Fill the tray with a layer of 358 ToolCleaner to approximately 15 mm. Rinse the needles by rolling the roller through the liquid. If necessary, use a plastic brush. Then rinse the stainless-steel ventilator roller with tap water.
- The 358 ToolCleaner can be used multiple times. If necessary, sieve the material to remove any solid contamination.
- First, always consult our technical production information sheets on www.eurocol.nl.
- Avoid eye and skin contact and use suitable personal protection equipment. (for this, see our safety sheet).
- Dispose of empty jerry cans/bottles (recyclable material), product residues and cleaning liquid according to locally applicable environmental rules, and do not dispose of these in the sewer, open waters or soil.

Instructions for general use:

- The 358 ToolCleaner must be used undiluted. There are various possible cleaning methods, e.g.: immersion, rinsing or through pumping (e.g. by means of a High Volume Low Pressure pump).
- **Immersion:** immerse the object to be cleaned in the 358 ToolCleaner and leave to soak for some time. Then let the object drip and, if necessary, rinse it with tap water or wipe it dry using a cloth.
- **Pumping/rinsing:** pump the 358 ToolCleaner over the objects to be cleaned and let the liquid circulate for some time. If this does not produce an adequate result the action can be repeated. Next, leave the objects to dry or, if this is desired/possible, rinse with water and then dry.
- If the product is heated, the dissolvent strength for fats and oils will increase.
- First, always consult our technical production information sheets on www.eurocol.nl.
- Avoid eye and skin contact and use suitable personal protection equipment. (for this, see our safety sheet).
- Dispose of empty jerry cans/bottles (recyclable material), product traces and cleaning liquid according to locally applicable environmental rules, and do not dispose of these in the sewer, open waters or soil.

Contains N-Butylpyrrolidone.

Conditions for processing:

Desired ambient temperature : 10 - 35 °C.

More information:

- Developed for professional use.
- Keep this product out of the reach of children.
- Inhalation of the product may cause irritation, which is why we advise not to spray the product.
- Always thoroughly ventilate the room during and after processing and during the drying process.
- Never eat, drink or smoke while working with this product.
- Thoroughly rinse with water immediately, after contact with the eyes or skin.
- Only hand in containers without product residue for recycling.
- Clean product traces and dispose of cleaning water according to locally applicable environmental rules, and do not dispose of it in the sewer.
- For detailed information about these safety measures please refer to the safety information sheet on our website www.eurocol.nl.

Comment:

358 ToolCleaner works on various surfaces and materials. We recommend that you always test the product in a less conspicuous place first.

ENVIRONMENT AND HEALTH

Hazard Class	See safety data sheet.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	Available upon request.

ITEM DATA

358 TOOLCLEANER

Article	Definition	Packaging	EAN-code
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358	ToolCleaner	10 kg jerry can	8 710345 358002
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Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

358 TOOLCLEANER

FLOOR **COLOURING**

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FLOORCOLOURING

Powder pigment to create decorative floor screeds. Suited for indoor applications, e.g. in offices, living rooms/bedrooms, hobby rooms etc. Not suited for wooden floors.

PRODUCT TYPING

Base	Inorganic pigment powder.
Color	White, Soft Black and Brown.
Consistency	Powder.

- Easy to mix
- Ready to use
- To be used in combination with a pump or manually

PROPERTIES

Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	After approx 3 hours at 18 - 20 °C.*

APPLICATION

Powder pigment as an additional product in combination with 990 Europlan Direct or 920 Europlan Alphy. Suited for manual processing and by pump. Always consult the pump supplier first to check that the pump is suited for all types of floor levelling. Pumps that have too high a mixing speed may result in an insufficient flow of the levelling compound.

PROCESSING

Storage	Store in a cool and dry place.
Mixing ratio	Maximum 3 230g jars to 1 23kg bag of levelling compound.
Shelf Life	12 months in unopened packaging.
Cleaner	Water.
Remarks	<p>Technical information and safety data sheets of other installation materials used must be observed!</p> <p>Apply a Eurocol Surface Finish to the filled surface within the next few days!</p> <p>On floating dry screed elements or wood-based panels, the suitability of the levelling compound used must be observed.</p> <p>When using as FloorDesign flooring, please observe the Eurocol reference document RD_001 "Mineral levelling floors".</p>

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

390 FLOORCOLOURING

Substrate:

Processing conditions and subfloor:

- See the product information sheets of the approved Eurocol levelling compounds.

Instruction manual:

- For the best possible result, we advise to work with at least 2 people. This allows you to mix several packs and apply them to the floor in quick succession.
- Fill the mixing container with 5,5-6 litres of cool and clean tap water and add the levelling compound. Mechanically mix the compound with a Eurocol 855 mixing rod for at least 1 minute (at least 1,000 revs per minute) until a smooth and lump-free mix is obtained.
- Then add the powder pigment (max. 3 230g jars) to the compound and mechanically mix everything for at least 1 minute, until it has all been thoroughly mixed.
- In between mixing, move a spatula along the inside of the mixing container to properly mix the levelling compound and the pigment.
- Set aside the compound for approx. 3 minutes and then briefly stir it, at a low rev count.
- The compound must then be processed within 20 minutes. Apply the levelling compound in small portion randomly across the floor to avoid repetitive patterns or stripes.
- Spread the compound with the trowel, making random strokes to create the desired (concrete look) effect. Always let the different containers of levelling compound mix wet on wet.
- Apply the compound in a minimum thickness of 3mm.
- When pumping the powder pigment add to the dry compound (max. 3 230g jars per 23kg of levelling compound) and set the mixing unit to allow for the required amount of water to be added.
- Layers of levelling compound recently applied must be protected against draught and direct sunlight.
- In normal circumstances, the applied layer of levelling compound can be walked on after 2-3 hours. Always wear shoe covers.
- At a layer thickness of approx. 3-4 mm and a temperature of 15 - 20 °C the floor screed is ready to be finished with 301 BaseSealer and 311 Topcoat paint system after at least 24 hours. For this, see the relevant product information sheets.
- For detailed information about these safety measures please refer to the safety information sheet on our website www.eurocol.nl.

Underfloor heating constructions:

390 FloorColouring can be used on underfloor heating constructions. The start-up protocol of the underfloor heating must first have been performed entirely in accordance with supplier guidelines. Switch off the heating one day before application; switch back on at least 24 hours after applying levelling, in steps of 5 °C water temperature maximum per day.

ENVIRONMENT AND HEALTH

Safety and environment Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.

Safety and environment Wear protective gloves and glasses!

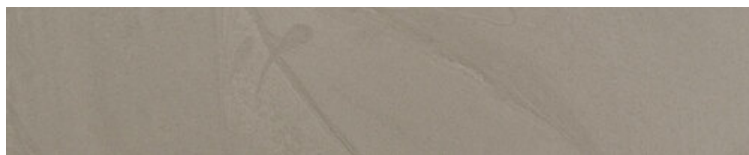
MSDS Available upon request.

ITEM DATA

Article	Defenition	Packaging	EAN-code
390	FloorColouring	Box containing 18 jars of 230 gram.	
		White	8 710345 390118
		Soft Black	8 710345 390217
		Brown	8 710345 390316

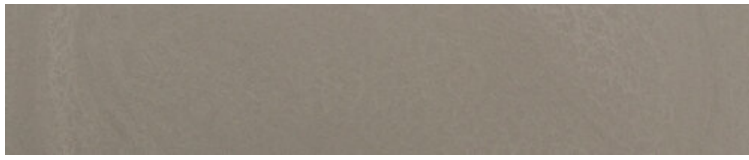
390 FloorColouring is available in 3 colours:

White (1 jar 390):



White (2 jars 390):

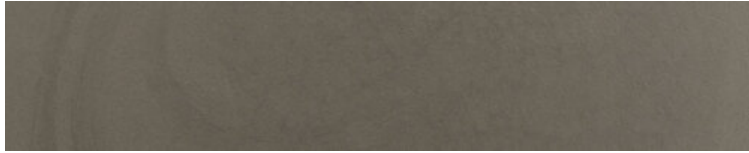
390 FLOORCOLOURING



White (3 jars 390):



Soft Black (1 jar 390):



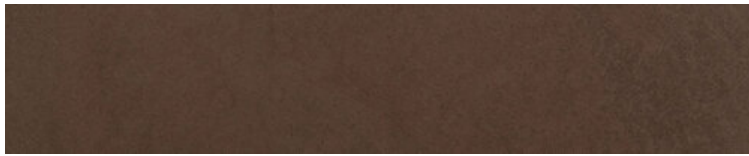
Soft Black (2 jars 390):



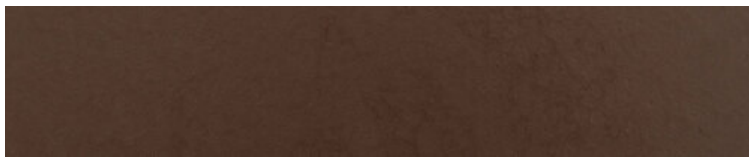
Soft Black (3 jars 390):



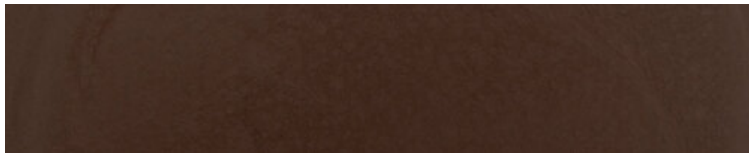
Brown (1 jar 390):



Brown (2 jars 390):



Brown (3 jars 390):



Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application

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conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

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