

# 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/m<sup>2</sup> and 2nd layer min. 150 g/m<sup>2</sup>). For good adhesion of the levelling compound, immediately sprinkle the second layer while it is still wet with 846 Quartsand (gross consumption 4 kg/m<sup>2</sup>, net consumption 1.5 kg/m<sup>2</sup>) 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 <sup>2</sup> 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 <a href="http://www.emicode.com">www.emicode.com</a> .

\* 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 <a href="http://www.forbo-eurocol.de">www.forbo-eurocol.de</a> .
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

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!

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

### 021 EUROBLOCK RENO LE

# 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 <sup>2</sup> on impervious subfloors. 100 - 200 g/m <sup>2</sup> 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:

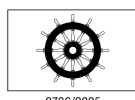
Intended surrounding temperature : 18 - 23 °C.

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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

## 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

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!

#### **044 EUROPRIMER MULTI**

# eurocol

# 051

the strong connection



## EUROPRIMER QUARTZ

Ready-to-use, tile-over-tile primer for even better adhesion of tile adhesives and cement- or gypsum-based wall levelling compounds. The ideal bonding base on e.g. existing wall and floor tiles, old (stuck) paint and coating layers and concrete enamel. Thanks to EMICODE EC 1PLUS (very low emissions) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Acrylic dispersion.
Color	Light pink.

- Very low emission
- Emicode EC 1PLUS
- Ready for use
- Resistant against alkaline moisture
- User friendly
- Suitable indoors
- For wall and floor
- Suitable for underfloor heating systems
- Improves the adhesion

### PROPERTIES

Aging	051 Europrimer Quartz does not deteriorate with age.
Alkali resistance	051 Europrimer Quartz is resistant against alkaline moisture.
Classification	Emicode EC 1PLUS tested conform EN 13999-2/4. Suitable for BREEAM-projects.
Consumption	0.1 - 0.3 kg/m <sup>2</sup> , depends on the type of roller or brush.
Frost resistance	After drying moisture resistant and therefore suitable for use in "wet spaces". 051 Europrimer Quartz cannot be applied outside or underwater (pool basins).
Humidity resistance	After drying moisture resistant and therefore suitable for use in "wet spaces". 051 Europrimer Quartz cannot be applied outside or underwater (pool basins).

### APPLICATION

Primer for closed substrates, e.g. existing wall and tile work and concrete enamel, onto which new tiles are glued or which are finished with a cement or plaster-bound wall-levelling.

### PROCESSING

Storage	Store free from frost. Protect against high temperatures.
Tools	Lambswool roller or brush.

#### 051 EUROPRIMER QUARTZ

<b>Drying</b>	2 - 4 Hours, depending on subfloor, application and temperature.
<b>Moisture resistance</b>	After drying moisture resistant and therefore suitable for use in "wet spaces". 051 Europrimer Quartz cannot be applied outside or underwater (pool basins).
<b>Shelf Life</b>	12 months, in unopened packaging.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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 should be clean, free from grease and dirt, dry and have a good tensile and compression strength, according to the requirements of DIN 18 353 and DIN 18 365.
- Degrease the subfloor well with 014 Euroclean.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Before use manually stir the 051 Europrimer Quartz.
- After stirring apply the primer thin and equally with a lambswool roller or brush.
- Drying time 2 to 4 hours, depending on the subfloor, application, moisture percentage and temperature.
- Thereafter finish the subfloor with a cement or gypsum based levelling compound or tile adhesive.

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

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

## ITEM DATA

Article	Definition	Packaging	EAN-code
051	Europrimer Quartz	7 kg bucket	8 710345 005128
051	Europrimer Quartz	14 kg bucket	8 710345 005104
051	Europrimer Quartz	Box of 12x1.5 kg Bucket	8 710345 005142
051	Europrimer Quartz	1.5 kg Bucket	8 710345 051552 12 pieces

### 051 EUROPRIMER QUARTZ

# eurocol 099

the strong connection



## DISPERSION PRIMER

Ready-to-use, highly impregnating primer for even better adhesion of sealants, tile adhesives and levelling compounds. The ideal bonding base on absorbent gypsum and cement-based walls and floors (indoors and outdoors), sheet material, etc. Thanks to GEV EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Acrylic dispersion.
Color	Light pink.

- Very low emission
- EMICODE EC 1PLUS
- Non-flammable
- User friendly
- Favourable spreading capacity
- Multi-purpose application
- High penetration capacity
- For in- and outdoor use

### PROPERTIES

Aging	099 Dispersion Primer does not deteriorate with age.
Alkali resistance	099 Dispersion Primer is resistant against alkaline moisture.
Classification	Emicode EC 1PLUS tested conform EN 13999-2/4. Suitable for BREEAM-projects.
Consumption	6 - 9 m <sup>2</sup> per kg.
Sensitive to frost	No.
Specific weight	1.0 kg/l.

### APPLICATION

Primer for:

- improving the adhesion of sealants, tile adhesives and levelling compounds on absorbent gypsum or cement-based walls and floors, sheet material etc. Not suitable for impervious subfloors. Use 051 Europrimer Quartz.
- improving the top layer of cement screeds that tend to crumble on the surface.

### PROCESSING

Storage	Store free from frost. Protect against high temperatures.
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**099 DISPERSIEPRIMER**

<b>Tools</b>	Lambswool roller, brush or spray-gun.
<b>Drying</b>	1 - 2 hours, depending on temperature, relative humidity and subfloor.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (surrounding and subfloor 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 should be clean, free from grease and dirt, dry and have a good tensile and compression strength, according to the requirements of DIN 18 353 and DIN 18 365.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Apply 099 Dispersion Primer thinly and evenly with a brush and/or lambswool roller.
- 099 Dispersion Primer can also be sprayed.
- Drying time 1 - 2 hours.
- Sandpaper old adhesive residues carefully and make dust-free.
- When installing tiles with 725 Alphycol on anhydrite floors keep a drying time of approx. 1 hour.
- Spreading capacity 100 - 150 g/m<sup>2</sup>.

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

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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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](http://www.eurocol.nl).

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
099	Dispersion Primer	10 kg jerry can	8 710345 056502
099	Dispersion Primer	Box of 12 bottles of 1 kg	8 710345 099035
099	Dispersion Primer	1 kg bottle	8 710345 056519

### 099 DISPERSIEPRIMER

# eurocol 658

the strong connection



## WANDOFORTE

Cement-based, fast-setting plaster mortar for levelling and repairing cement-based and other stone walls. Ideal for levelling concrete, cellular concrete and sand-lime brick. The perfect base for smooth tiling. Can be used in layer thicknesses of 2 to 10 mm. The mortar can also be applied with a spraying machine if required.

### PRODUCT TYPING

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

- For in- and outdoor use
- Moisture-resistant
- Frost-resistant
- High final bond strength
- Easy to apply
- Low chromate
- Layer thickness from 2 to 10 mm

### PROPERTIES

Aging	658 Wandoforte does not deteriorate with age.
Classification	CSIV according to NEN EN 998-1. Multifunction plaster mortar with an increased compressive strength and a reduced water absorption for use under ceramic tiles.
Consumption	Approx. 1.5 kg/m <sup>2</sup> per mm layer thickness.
End strength	658 Wandoforte is sufficiently strong for the direct installation of heavy wall covering materials e.g. ceramic tiles and natural stone.

### APPLICATION

For levelling and repairing cement-based and other stony walls, e.g. concrete, cellular concrete, lime-sand stone, plasters etc., on which tiles have to be fixed.

### PROCESSING

Layer thickness	658 Wandoforte can be applied in one layer thickness up to 10 mm. Build up thicker layers and roughen them in between..
Storage	Store cool and dry in unopened packaging.
Mixing ratio	Add 25 kg of 658 Wandoforte to 6 litres of water.
Curing	Minimum 12 hours. During this period the wall cannot be treated.
Processing time	Apply the mortar within 20 minutes.

#### 658 WANDOFORTE

Waiting time	Wait for 2-3 minutes. Thereafter stir once again.
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	From 10° to 25 °C (surrounding and subfloor 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:

- 658 Wandoforte can be applied on any type of cement-based subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, dry and free from grease and dirt.
- In advance degrease impervious subfloors e.g. old wall tiles with 014 Euroclean. Thereafter dry completely.
- Prime smooth and impervious walls with 051 Europrimer Quartz (indoor application).
- First remove loose paint and lime residues.
- PRime porous walls with 099 Dispersion Primer.
- Fill holes and cracks in advance.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Add 25 kg of 658 Wandoforte to 6 litres of cool and clean tap water.
- Stir the mortar for 1 minute, by using an electric stirrer, to a smooth and homogeneous mixture.
- Wait for a few minutes, stir once again and apply the mortar within 20 minutes with a flat trowel.
- First apply a thin pre-layer of mortar and then apply the desired layer thickness with a maximum of 10 mm in 1 layer onto the surface wet-on-wet. Build up thicker layers and roughen them in between.
- For extra smoothing strickle off the wall with a wet trowel and finish within 60 minutes.

## 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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

## ITEM DATA

Article	Definition	Packaging	EAN-code
658	Wandoforte	25 kg Bag	8 710345 658010

### 658 WANDOFORTE



# eurocol 955

the strong connection



## WANDOSTUC

Cement-based, fast-setting plaster mortar for levelling and repairing cement-based and other stone walls, such as concrete, cellular concrete, sand-lime brick, etc., as well as gypsum walls such as plasterboard, gypsum blocks, etc., on which tiles are to be applied. Can be used indoors in layer thicknesses of 2 to 50 mm (for concrete recesses up to approx. 70 mm). The mortar is also suitable for processing with a spray machine. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Produced by mixing water and cement powder with light aggregates and synthetic binders.
Color	Grey.

- Very low emission
- Emicode EC 1PLUS
- Suitable for interior walls
- Fast setting
- Moisture-resistant
- Low stress
- High final strength
- Easy to apply
- High filling capacity
- Coating thickness 2 to app. 50 mm
- Can be sprayed

### PROPERTIES

Aging	After setting, 955 Wandostuc will not show signs of deterioration
Classification	CSIV in accordance with NEN-EN 998-1. Multifunctional plaster mortar with increased compressive strength for use under ceramic tiles on interior surfaces.
End strength	955 Wandostuc is strong enough for use under heavy wall finish materials, such as ceramic tiles and natural stone.

### APPLICATION

- For levelling and repairing cementitious and other masonry walls, such as concrete, aerated concrete, limestone and so on, as well as gypseous walls such as plasterboard, gypsum blocks and similar surfaces on which tiles are to be applied.
- Can be applied on interior surfaces in coating thicknesses from 2 to app. 50 mm (at concrete recess till approx. 70 mm).
- The mortar is also suitable for application using a spray gun.

### PROCESSING

#### 955 WANDOSTUC

<b>Layer thickness</b>	955 Wandostuc can be applied in coating thicknesses ranging from 2 to app. 50 mm. Concrete recess till approx. 70 mm.
<b>Storage</b>	Store in a cool, dry place in sealed packaging.
<b>Mixing ratio</b>	20 kg 955 Wandostuc to 6 to 7 litres of water.
<b>Processing time</b>	Apply the mixed mortar within 30 minutes at a temperature of 20 °C.
<b>Waiting time</b>	It is advisable to allow the mortar to rest for about 2 to 3 minutes. After that, mix it again.
<b>Drying</b>	For ceramic tiles about 3 hours at 20 °C. Observe a 24-hour drying time for natural stone.
<b>Shelf Life</b>	12 months, in unopened packaging. Close opened packaging properly after use.
<b>Cleaner</b>	Water.
<b>Application temperature</b>	From 5°C to 25 °C (ambient as well as substrate 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:

- 955 Wandostuc can be used on all kinds of rigid, pressure-resistant and tensile surfaces that are clean, permanently dry, and free of grease and dirt.
- Remove all old, loose layers of paint, lime and plaster. Also, old gypsum plaster layers must be at least 10 mm in thickness.
- Degrease smooth and impervious substrates, like existing tiles, thoroughly using 014 Euroclean. Then allow the substrate to dry completely. After this, prime it with 051 Europrimer Quartz (for interior application).
- Prime porous walls, like gypsum (blocks, plaster and boards) and cementitious walls, using 099 Dispersion Primer.
- Always consult our technical product information sheets beforehand. If in doubt about the intended applications, please contact our Technical Advice Department beforehand.

#### Instruction manual:

- Add 20 kg of 955 Wandostuc to 6 to 7 litres of cool and clean tap water.
- Mix the mortar mechanically for one minute until a smooth paste is formed.
- Allow the mortar to rest for a few minutes, mix it again and then apply it to the substrate with a trowel within 30 minutes.
- For this, first prime the mortar by applying a thin layer, and after that apply the required layer thickness on the substrate using a wet-on-wet technique.
- If necessary, screed the substrate until it is level and then apply another finish within 60 minutes, depending on the required end result.
- The substrate is ready to be finished with ceramic tiles after approx 3 hours of drying time. Allow to dry for at least 24 hours before applying natural stone.
- Allow to dry for at least 48 hours before applying paint, wallpaper, spackle and decorative plaster.

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

MSDS Please visit our website ([www.eurocol.nl](http://www.eurocol.nl)) for detailed information on safety and the environment.

## ITEM DATA

### Article Definition Packaging EAN-code

955 Wandostuc 20 kg bag 8 710345 955324

### 955 WANDOSTUC

# 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. $1.5 \text{ kg/m}^2$ 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.

#### 920 EUROPLAN ALPHY

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 &lt;22 mm and vertical lamella &lt;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><b>After application of levelling compound.</b></p> <ul style="list-style-type: none"><li>• Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost.</li><li>• 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.</li></ul> <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 <a href="http://www.emicode.com">www.emicode.com</a>. 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

### 920 EUROPLAN ALPHY

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](http://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.

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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Hazard Class None.

MSDS For extensive information about safety and environment we refer to our website [www.eurocol.nl](http://www.eurocol.nl).

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## ITEM DATA

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

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

#### 920 EUROPLAN ALPHY

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. $1.5 \text{ kg/m}^2$ 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](http://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





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## ENVIRONMENT AND HEALTH

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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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

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## ITEM DATA

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

### 923 EUROPLAN EXTREME

# 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. $1.5 \text{ kg/m}^2$ 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](http://www.eurocol.nl).

### Working conditions:

Required surrounding temperature : 18 - 23 °C.

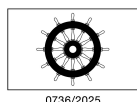
Temperature for material and subfloor : min. 15° - max 20 °C.

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](http://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)

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!

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

### 960 EUROPLAN SUPER

# 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. $1.5 \text{ kg/m}^2$ 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](http://www.eurocol.nl).

### Working conditions:

Required surrounding temperature : 18 - 23 °C.

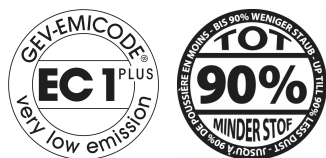
Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40-70%.

### Underfloor heating systems:

975 Europlan Special can be applied on underfloor heating systems. The 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 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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

### 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 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 <sup>2</sup>
Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 11$ N/mm <sup>2</sup> .
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 $\geq 33$ N/mm <sup>2</sup> .
Consumption	Approx. 1.5 kg/m <sup>2</sup> 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**



<b>Storage</b>	Store cool and dry.
<b>Tools</b>	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
<b>Mixing ratio</b>	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.
<b>Processing time</b>	Use within 20 minutes after mixing.*
<b>Waiting time</b>	Approx 3 minutes.
<b>Drying</b>	24 hours.*
<b>Shelf Life</b>	9 months, in unopened packaging.
<b>Cleaner</b>	Water.
<b>Remarks</b>	<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><b>After application of levelling compound.</b></p> <ul style="list-style-type: none"> <li>Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost.</li> <li>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.</li> </ul> <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 <a href="http://www.emicode.com">www.emicode.com</a>. 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](http://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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .
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 <sup>2</sup> .
Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 12$ N/mm <sup>2</sup> .
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 $\geq 42$ N/mm <sup>2</sup> .
Consumption	Approx. 1.5 kg/m <sup>2</sup> 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](http://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](http://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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .
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

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!

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

### 991 EUROPLAN DIRECT RAPID

# 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. $1.5 \text{ kg/m}^2$ per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	1 hour at $18-20^\circ\text{C}$ .*

### 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](http://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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

## 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 055

the strong connection



## ADDITIVE

Adhesive and additive for tile work and mortars for the waterproofing and extra adhesion of (large) floor tiles. Suitable for indoor and outdoor use.

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### PRODUCT TYPING

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Base	Synthetic resin dispersion.
Color	White.

- For in- and outdoor use
- Non-flammable
- Thin liquid easy to mix
- Multi-purpose application

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### PROPERTIES

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Consumption	0.2 - 0.5 kg/m <sup>2</sup> , depending on the application.
End strength	Depending on the applied quantity of cement, water/cement factor etc.
Specific weight	1.0 kg/l.

**055 EURODICHT**

## APPLICATION

- Additive for mortars, for the water-resistant fixing of tiles.
- Adhesion improving additive for bonding-cement-slurry in case large tiles have to be fixed.
- Adhesion improving additive for mortars on critical subfloors, e.g.:
  - smooth and impervious subfloors;
  - high moisture absorbent subfloors.
- Additive for mortars in favour of:
  - higher mechanical strength;
  - higher bending strength;
  - smaller shrinkage.

## PROCESSING

Storage	Store free from frost. Protect against high temperatures.
Mixing ratio	See directions for use.
Curing	1-4 days, depending on the subfloor, application and temperature. Lower temperatures will slow down the bonding.
Processing time	Apply the mortar within 90 minutes.
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	> 5 °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 subfloor should be clean, free from grease and dust, dry and have a good tensile and compression strength.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

#### As an additive for bonding-cement-slurry in case large tiles have to be fixed:

- Add to 7 parts by volume of cement 1 part of 055 Additive and 2 parts of water.
- Stir thoroughly, preferably with an electric drilling machine, to a smooth and homogeneous mixture.
- Pour out the mixture on the mortar bed and divide it with a 8 x 8 mm notched adhesive spreader.
- Place the floor tiles within 15 minutes with a shuffling movement into the mortar.
- Do not tap on the tiles with a hammer.
- Spreading capacity: approx. 0.5 kg/m<sup>2</sup>.

#### As a adhesion improving additive for mortars on critical subfloors:

- Add approx. 9.5 parts by volume of powder tile adhesive to 1 part of 055 Additive and 2 parts of water.
- Mix the mortar, preferably with an electric drilling machine, to a smooth and homogeneous mixture.
- Apply the mortar on the subfloor with a broom or a 4x4 notched adhesive spreader.
- In case of vertical application the mortar has to dry completely.
- Work wet-in-wet when applying a "rendering slurry" for mortars.
- Spreading capacity: approx. 0.3 kg/m<sup>2</sup>.

#### As an additive for mortars to improve the watertightness:

- Mixing ratio sand/cement 3:1.
- Add to 50 kg cement 3 kg of 055 Additive to the mixing-water and mix until a homogeneous mortar.
- Spreading capacity: approx. 0.2 kg/m<sup>2</sup> per cm layer thickness.

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.

MSDS For extensive information about safety and environment we refer to our website [www.eurocol.nl](http://www.eurocol.nl).

### **Environment and health**

**055 EURODICHT**

- Packaging is made of post-consumer recycled (PCR) plastic and is fully recyclable. Only submit packaging without residues for recycling. Dried material remains can be disposed of with household waste.

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**ITEM DATA**

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Article	Definition	Packaging	EAN-code
055	Additive	10 kg jerrycan	8 710345 055031

**055 EURODICHT**

# 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**

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## ENVIRONMENT AND HEALTH

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MSDS For extensive information about safety and environment we refer to our website [www.eurocol.nl](http://www.eurocol.nl).

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
063	Eurotape	Box of 100 m <sup>1</sup>	8 710345 057301
063	Eurotape	Box of 4x25 m <sup>1</sup>	8 710345 001038
685/063	Eurocoat/Eurotape	Do-it-yourself packaging of 4 kg 685 Eurocoat/12 m <sup>1</sup> 063 Eurotape	8 710345 003612

BG172063, Version 01, Stand 2022-08-30,

### 063 EUROBAND

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# eurocol 683

the strong connection



## FIBRECOAT

Permanently elastic and fibre-reinforced sealing paste for sealing tight horizontal, vertical corner joints (max. 10 mm) and cracks around conduit pipes, drains, etc. when tiling in bathrooms. Can also be used as a closed and protective waterproof layer on moisture-sensitive walls and floors. Thanks to EMICODE EC 1PLUS (very low emissions), also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Ready-for-use paste with a fibre reinforced acrylic base.
Color	Purple.
Consistency	Paste, easy to apply.

- EMICODE EC 1PLUS (very low emission)
- Fibre reinforced and no 063 Eurotape needed
- Seals connections up to app. 10 mm
- After bonding well moisture-resistant
- Permanent elastic
- Flexible
- Easy to apply in one move
- Small thickness
- Suitable for indoor use
- Ready-for-use

### PROPERTIES

Alkali resistance	683 Fibrecoat is resistant against alkaline moisture.
Classification	Highest class according to NEN-EN 14891 DM. High-quality fibre-reinforced dispersion-based, liquid-applied and waterproof membrane for use under ceramic tiles in indoor environments. Tested by WTCB in Belgium. GEV-EMICODE EC 1PLUS tested conform to EN 13999-2/4. Suitable for BREEAM-projects.
Consumption	As seam sealing: 400 g/m <sup>1</sup> . In case of a 2 mm wet layer thickness. As a closed layer 2000 g/m <sup>2</sup> . In case of a 2 mm wet layer thickness.
Humidity resistance	After drying 683 Fibrecoat is moisture-resistant and therefore very suitable for application in "wet areas". Not suitable outdoors or under water (swimming pools).
Specific weight	1.4 kg/l.

### APPLICATION

- For sealing tight horizontal and vertical corner connections (max. 10 mm) of tile work in bathrooms.
- For sealing chinks around water pipes, drain outlets etc.
- As a protected watertight layer on moisture sensitive walls and floors e.g. gypsum, anhydrite and wood.
- For sealing seams when installing 820 DIM Floor.
- Not suitable outdoors or under water or permanent water pressure. Use 730 Isoflex instead.

683 FIBRECOAT

## PROCESSING

Storage	Store free from frost. Protect against high temperatures.
Drying	12 Hours, depending on substrate, application and temperature. High temperatures shorten drying time lower temperatures slow this down.
Moisture resistance	After drying 683 Fibrecoat is moisture-resistant and therefore very suitable for application in "wet areas". Not suitable outdoors or under water (swimming pools).
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	> 5 °C. Both temperature for surrounding and subfloor.

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

### Substrate:

- Suitable for almost any type of subfloor that is clean, dry and free from grease and dirt.
- Pre-seal large slots and cracks with a suitable product.
- Prime moisture-absorbent subfloors with 099 Dispersion Primer.
- In advance always seek our technical data sheets on [www.eurocol.nl](http://www.eurocol.nl). In doubt about the application ask for technical advice.

### Instruction manual:

- **As seam sealing:** The tight wall/floor connection, as well as the vertical shower corner(s) should be covered with 683 Fibrecoat in a minimum wet layer thickness of 2 mm. Ensure that a strip of approximately 10 cm wide is applied well (at least 2 mm) from each corner on both sides. The 2 mm layer thickness is necessary due to watertightness and compensation for stresses. Close the corner connections well with 683 Fibrecoat so that no hollow spaces are created. If necessary, use a corner or filler with the supplied brush.
- Also finish the pipe outlets in the wall and floor, the discharge sump or drain all around with 683 Fibrecoat.
- In the case of wider wall/floor connections (> 10 mm), e.g. for tiles in the mortar, 683 Fibrecoat can be used in combination with 063 Eurotape.
- **As closed watertight layer:** Apply a closed layer of 2 mm of 683 Fibrecoat to the substrate with a brush or flat trowel. The substrate must not shine through the sealing paste.
- The drying time is approx. 12 hours (depending on the prevailing conditions, layer thickness and substrate).
- Clean tools with water after use.
- Working temperature from 5° to 25 °C. Store free from frost.
- 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).

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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.co.uk](http://www.eurocol.co.uk)

### Environment and health

- Environmental Product Declaration EPD-NIBE-20210224-17681 verified by SGS Search / Intron.
- Tested for emissions of volatile organic compounds and tested EMICODE EC 1PLUS in accordance with EN 13999-2/4.
- Meets the criteria of BREEAM-NL HEA 9 Volatile Organic Compounds; promoting healthy and good indoor air quality because the construction 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 submit packaging without residues for recycling. Dried material remains can be disposed of with household waste.

## ITEM DATA

Article Definition Packaging

EAN-code

683 FIBRECOAT



683	Fibrecoat	14 kg Bucket, including brush (70 mm)	8 710345 683104
683	Fibrecoat	7 kg Bucket, including brush (70 mm)	8 710345 683203

#### 683 FIBRECOAT

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# eurocol

# 685

the strong connection



## EUROCOAT

Permanently elastic sealing paste for waterproofing horizontal and vertical corner connections, cracks around conduit pipes, drains, etc. The ideal seal for tiling in 'wet areas', excellent for use in combination with 063 Eurotape. Can also be used as a closed and protective waterproof layer on moisture-sensitive plaster-bound walls and floors. Thanks to EMICODE EC 1PLUS (very low emission), also suitable for BREEAM projects

### PRODUCT TYPING

Base	Ready-for-use dispersion adhesive with an acrylic base.
Color	Pink.
Consistency	Paste, easy to apply.

- EMICODE EC 1PLUS (very low emission)
- Seals in combination with 063 Eurotape connections up to a width of 10 mm
- After bonding moisture-resistant
- Elastic
- Flexible
- Suitable for indoor use
- Ready-for-use

### PROPERTIES

Alkali resistance	685 Eurocoat is resistant against alkaline moisture.
Classification	Highest class according to NEN-EN 14891 DM. High-quality dispersion-bonded, liquid-applied and waterproof membrane for use under ceramic tiles. Tested by KIWA Bautest in Dresden. GEV-EMICODE EC 1PLUS (very low emission) tested in accordance with EN 13999-2/4. Suitable for BREEAM projects.
Consumption	As seam sealing in combination with 063 Eurotape: 250 - 350 g/m <sup>1</sup> . As a primer: 250 - 350 g/m <sup>2</sup> .
Elasticity	In combination with 063 Eurotape sufficiently elastic to intercept movement in the construction in practice.
Humidity resistance	After drying, 685 Eurocoat is moisture-resistant and therefore very suitable for application in "wet areas". Not suitable for application under water (swimming pools).
Specific weight	1.4 kg/l.

### APPLICATION

- For sealing impervious horizontal and vertical corner connections of tile work in "wet areas", e.g. shower cabins, bathrooms, professional kitchens etc. To use in combination with 063 Eurotape.
- For sealing chinks around water pipes, drain outlets etc.
- As a protected watertight primer on moisture sensitive walls and floors such as gypsum, anhydrite and wood.
- As a primer when fixing tiles with 705 Watertight Tile Adhesive on wooden floors in "wet areas".
- For sealing seams when installing 820 DIM Floor.
- For full-surface application of 800 Eurosheet WPT in combination with resilient coverings.
- Not suitable for applications under water or permanent water pressure. Use 730 Isoflex.

### 685 EUROCOAT

## PROCESSING

Storage	Store free from frost. Protect against high temperatures.
Drying	12 hours, depending on substrate, application and temperature. High temperatures shorten drying time, lower temperatures slow this down.
Moisture resistance	After drying, 685 Eurocoat is moisture-resistant and therefore very suitable for application in "wet areas". Not suitable for application under water (swimming pools).
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	> 5 °C (temperature of the surrounding as well as the subfloor).

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

### Substrate:

- 685 Eurocoat is suitable for almost any type of subfloor that is clean, dry and free from grease and dirt.
- Prime moisture-absorbent subfloors with 099 Dispersion Primer.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.
- 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 suitable protective equipment (see our safety data sheet).

### Instruction manual:

- Seal the wall/floor connection as well as the vertical shower corner(s) with 685 Eurocoat. Press 063 Eurotape into the wet 685 Eurocoat. In case of a wall/floor connection apply 063 Eurotape at the wall from at least 30 mm above ground level. Thereafter apply a second coat of 685 Eurocoat up to at least 10 mm over the border of 063 Eurotape.
- Seal water pipes in wall and floor, as well as drain outlets with 685 Eurocoat.
- As a primer, apply an impervious layer of 685 Eurocoat with a brush or roller on the floor.

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

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .
Substances causing allergy	Contains 1,2-benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-on. 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.

### Environment and Health

- Environmental Product Declaration/Environmental Product Declaration EPD-DBC-20220147-IBF1-EN
- Tested for emissions of volatile organic compounds and has tested EMICODE EC 1PLUS in accordance with EN 13999-2/4.
- Meets the criteria of BREEAM-NL HEA 9 Volatile Organic Compounds; promoting healthy and good indoor air quality because the construction 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 submit packaging without residues for recycling. Dried material remains can be disposed of with household waste.

## ITEM DATA

Article	Definition	Packaging	EAN-code
685	Eurocoat	14 kg bucket including brush (70 mm)	8 710345 685009
685	Eurocoat	7 kg bucket including brush (70 mm)	8 710345 058001
685	Eurocoat	DIY 4 kg/12 m <sup>1</sup> bucket including brush (70 mm)	8 710345 003612

### 685 EUROCOAT

**685 EUROCOAT**

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# eurocol 740

the strong connection



## ISO FLEX 2K

A flexible, cement-based, 2-component sealing compound for waterproofing of mineral surfaces on balconies, swimming pools and terraces where tiling is to be applied. Suitable for indoor and outdoor use on walls and floors.

### PRODUCT TYPING

Base	Liquid polymer dispersion with a very high content of synthetic binders to be mixed with cement powder. Component A: B 20 : 15.
Color	Grey.

- Single-layer system
- Waterproof
- Highly elastic
- Frost-resistant
- Crack-bridging
- Suitable for walls and floors
- For indoors and outdoors

### PROPERTIES

Classification	Highest class according to NEN-EN 14891 CMO2P, high-performance, cement-based, liquid-applied waterproof membrane for use under ceramic tiling with crack-bridging capability at low temperatures (-20 °C) with resistance to chlorinated water. To be used in conjunction with a high-performance cement-based C2 adhesive compliant with NEN-EN 12004.
Consumption	Approx. 3 kg/m <sup>2</sup> per applied layer of 4 mm (see instructions).
Flammability	Non-flammable.
Humidity resistance	Water-resistant after drying, making it very suitable for use in "wet areas", outdoors and underwater (swimming pools).
Passableness	Approx. 5 hours at 18° - 20 °C.*

### APPLICATION

- For waterproofing of mineral surfaces on balconies and terraces where tiling is to be applied.
- For protecting concrete reinforcement (e.g. in swimming pools) against moisture penetration, reducing the risk of efflorescence.
- For sealing of mineral walls to prevent moisture penetration, e.g. in heavily used shower areas.
- As a decoupling layer on critical surfaces, such as wood and existing tiling.
- To allow gradual drying of freshly poured sand-cement screeds and to protect them against moisture ingress.

### PROCESSING

Storage	Store cool and dry in unopened packaging.
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740 ISO FLEX 2K

<b>Tools</b>	Notched trowel and smoothing spatula or filling knife.
<b>Mixing ratio</b>	20 kg 740 Isoflex 2K to 15 litres of supplied liquid polymer dispersion.
<b>Processing time</b>	Within 30 minutes after mixing.*
<b>Drying</b>	Minimum 12 hours.*
<b>Moisture resistance</b>	Water-resistant after drying, making it very suitable for use in "wet areas", outdoors and underwater (swimming pools).
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well
<b>Application temperature</b>	Above 5 °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:

- 740 Isoflex 2K can be applied to any rigid, pressure-resistant and tear-resistant mineral surface. The surface must also be clean, dry and free from grease and dirt.
- Mineral absorbent surfaces (e.g. sand/cement screeds) should be pre-treated with 099 Dispersion Primer. Minimum drying time: 1–2 hours.
- Holes and deep damage in dry indoor situations should be pre-filled with 955 Wandostuc or, in outdoor situations, with 923 Europlan Extreme (floor) or 658 Wandoforte (wall).
- Always consult our technical product information sheets beforehand. In case of doubt about the application, contact our Technical Advisory department in advance.

#### Instruction manual:

- Add 20 kg of 740 Isoflex 2K to the 15 litres of mixing liquid in a tall 35-litre mixing tub, then mix the mortar intensively for 4 minutes using a mechanical mixer (approx. 1,000 rpm) until it is lump-free. Let the mortar rest for 2 minutes, then briefly remix before application.
- Apply 740 Isoflex 2K in an 8x8 mm notched layer to the surface. Smooth the ridges immediately with a smoothing spatula or filling knife to create a closed layer.
- In the dry state, the layer of 740 Isoflex 2K must be at least 3 mm thick.
- Protect the entire surface against adverse weather conditions (e.g. moisture, frost) starting from the application until the final layer has set.
- For ceramic tiling, we recommend using 733 Superior S2 or 705 Watertight Tile Adhesive.
- Clean any dirt from the surface before gluing the tiles.

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

MSDS For comprehensive safety and environmental information, please refer to our website at [www.eurocol.nl](http://www.eurocol.nl).

#### **Environment and health**

- The plastic bucket is fully recyclable. Only return packaging free of residues for recycling. Dried material residues can be disposed of with household waste.

## ITEM DATA

Artikel	definition	Packaging	EAN-code
740	Isoflex 2K	35 kg combination	
	Component A	20 kg bag	8 710345 740104
	Component B	15 kg bucket	8 710345 740203

**740 ISOFLEX 2K**

# eurocol

# 800

the strong connection



## EUROSHEET WPM

Waterproof and crack-bridging sealing membrane for sealing walls and floors in 'wet areas', such as shower cubicles, bathrooms, sculleries, etc. Can be used on almost any surface and, due to its thinness of only 0.5 mm, it is also an excellent solution for renovation work. Thanks to Eimcode EC 1PLUS (very low emissions) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Roll of polyethylene foil with a layer of polypropylene on 2 sides.
Color	Pink/red.
Format	Approx. 0.5 mm.
Size	10 m <sup>2</sup> x 100 cm.

- Eimcode EC 1PLUS
- Watertight
- Bridges cracks
- Damp-inhibiting
- Very easy to process
- Directly tileable
- Suitable for underfloor heating constructions
- For walls and floors

### PROPERTIES

Weight	200 g/m <sup>2</sup> .
Alkali resistance	800 Eurosheat WPM is resistant to alkaline environments.
Classification	Eimcode EC 1PLUS tested according to EN 13999-2/4. Suitable for BREEAM-projects.
Crack-bridging	Approx. 1 mm/m <sup>1</sup> .
Humidity resistance	Moisture-resistant and therefore also very suitable for use in swimming pools.
Temperature resistance	-30 °C to +90 °C.

### APPLICATION

800 Eurosheat WPM is a watertight sealing membrane for sealing walls and floors in 'wet rooms', such as shower cubicles, bathrooms, sculleries, etc. The low thickness of only 0.5 mm makes it the ideal solution for renovation work. 800 Eurosheat WPM also ensures that tilework is better protected against cracking due to shrinkage from the structure, for example.

### PROCESSING

Storage	Protect against sunlight and high temperatures.
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#### 800 EUROSHEET WPM

<b>Tools</b>	Stanley knife.
<b>Moisture resistance</b>	Moisture-resistant and therefore also very suitable for use in swimming pools.

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

#### Substrate:

- 800 Eurosheet WPM is suitable for almost all walls and floors that are clean, dust-free and grease-free, flat and dry.
- Prime the moisture-absorbent and lightly sanded-down walls with 099 Dispersion Primer.
- Degrease closed surfaces such as existing tilework and prime with 051 Europrimer Quartz.
- If necessary, flatten out stony walls with 658 Wandoforte or 955 Wandostuc.
- Gypsum plaster must have a layer thickness of min. 10 mm according to the manufacturer requirements.
- If the cement-bonded underfloor is not sufficiently flat in a dry room, it should be levelled with 990 Europlan Direct. In wet rooms, use 923 Europlan Extreme. Level anhydrite floors with 920 Europlan Alphy.
- Always consult our technical product information sheets. When in doubt about the use of the product, please contact our Technical Help Desk first.

#### Instruction manual:

#### Installation instructions 800 Eurosheet WPM:

##### **Step 1:**

Draw up a job plan and shear or cut the 800 Eurosheet WPM to size. Finish the wall/floor and wall/wall connection watertightly with 063 Eurotape/685 Eurocoat or 683 Fibrecoat.

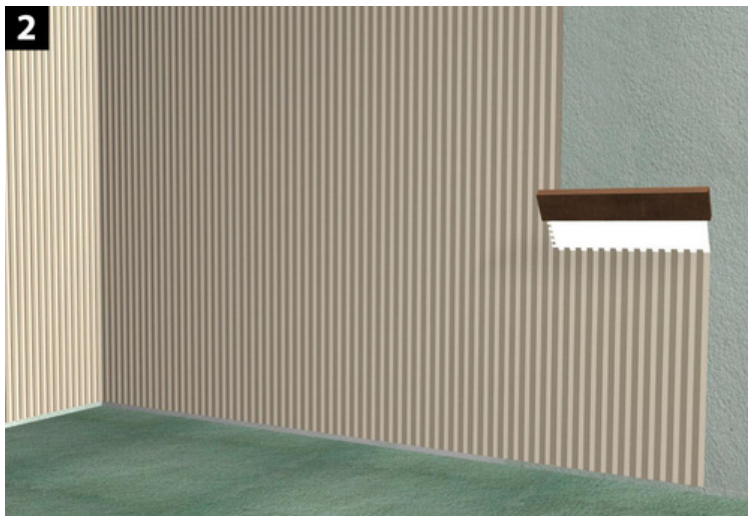


##### **Step 2:**

Apply 705 Special Adhesive/709 Superflex or 686 Supercol/685 Eurocoat (moisture-absorbing walls) evenly to the surface with a 4x4 toothed adhesive trowel. Comb the adhesive in 1 direction. This makes it easier to smooth out.

#### **800 EUROSHEET WPM**





### Step 3:

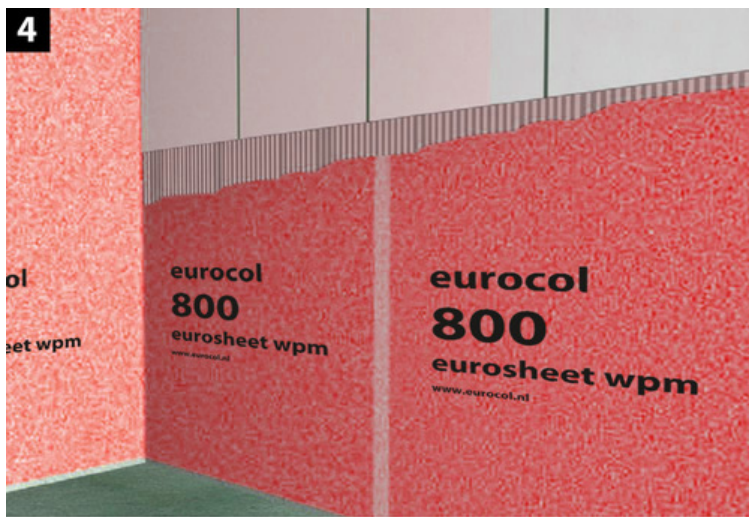
Then place the waterproofing cloth on the surface without wrinkles and press down the cloth gently. Then smooth out the adhesive beads under the cloth and the air from underneath, from the centre of the strip. Remove excess adhesive and then place the next strip. Make sure that it overlaps by at least 5 cm for good watertightness.



### Step 4:

Then apply a beaded adhesive bed over the entire surface to glue the tiles into it. Adhesive moisture-absorbing wall tiles (with an absorbent shard) with a paste tile adhesive. When bonding floor tiles to walls or floors, use a cement-bonded powder tile adhesive. Press the tiles into the fresh adhesive bed with a sliding movement within 15 - 20 minutes. Check often that the backs of the tiles always come into full contact with the adhesive. The choice of teeth (see illustrations) must be such that a minimum adhesive contact area of 60% for walls and 80% for floors is achieved (evenly distributed over the back of the tile). For outdoor applications and swimming pools, this must be 100%. Remove excess adhesive from the joints immediately. The prepared adhesive must be processed within 60 minutes. Do not add extra water to mortar that is already bonded!

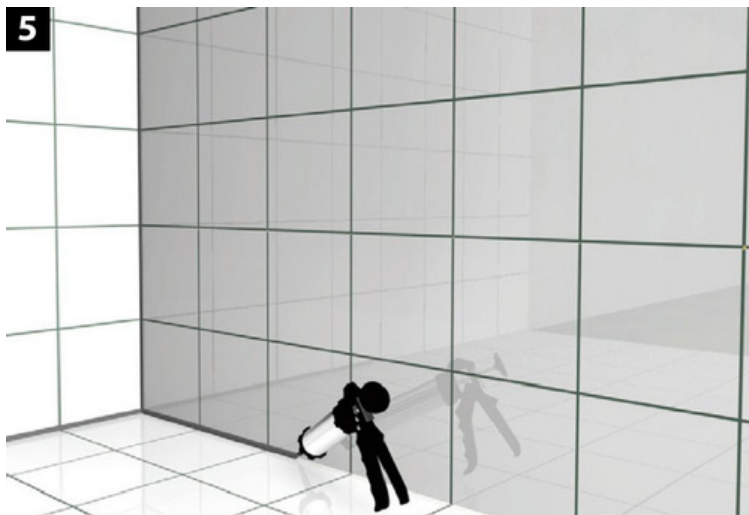
**800 EUROSHEET WPM**



#### Step 5:

In normal conditions, i.e. a temperature of 20 °C with relative humidity of 65%, the tilework can be grouted after at least 24 hours with 706 Euro Grout Special WT or 717 Eurofine WT.

Keep the internal and external corners free of tiles and grout cement, as well as around frames, pipe outlets etc. and seal them with a suitable, permanently elastic grout kit such as our **880 Euroseal Silicone**. Durably seal joints around shower drains and/or shower channels with our **881 Euroseal Epoxy**, a fast-setting sealant based on 2-component epoxy.



## QUALITY AND GUARANTEE



#### 800 EUROSHEET WPM

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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](mailto:info.eurocol.de@forbo.com)

Eurocol is part of the Forbo Group



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## ENVIRONMENT AND HEALTH

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MSDS For detailed safety and environmental information, please refer to our website [www.eurocol.nl](http://www.eurocol.nl).

### Environment and health

- Tested for emission of volatile organic compounds and has EMICODE EC 1PLUS tested 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.

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
800	Eurosheet WPM	Roll 10 m <sup>1</sup> x 1 m packaged in foil	8 710345 800105

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!

BG172800, Version 01, Stand 2022-08-22, ersetzt Ausgabe vom

**800 EUROSHEET WPM**

# 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 <sup>2</sup> ).
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 <sup>2</sup> ).

### 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.
Skimming 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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

### 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

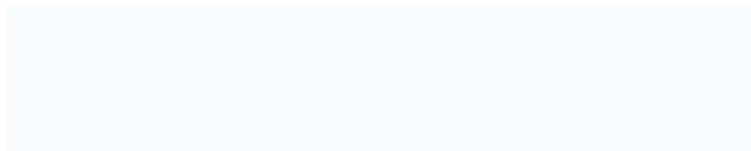
Article	Definition	Packaging	EAN-code
880	Euroseal Silicone	12x310 ml in a box	
	transparent		8 710345 880107
	white		8 710345 880206
	silver-grey		8 710345 880305
	Manhattan-grey		8 710345 880404
	grey		8 710345 880503
	anthracite		8 710345 880602
	Buxy		8 710345 880800
	Jasmin		8 710345 880749
	transparent-grey		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:



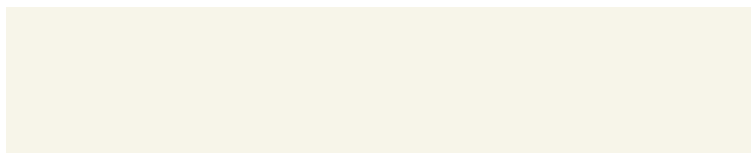
Grey:



Anthracite:



Jasmin:



Buxy:

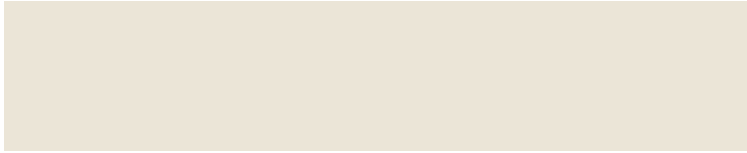
#### 880 EUROSEAL SILICONE



Basalt-grey:



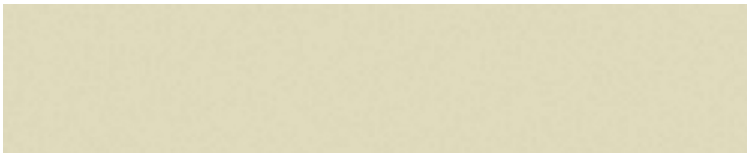
Vintage:



Lightgrey:



Beige:



**880 EUROSEAL SILICONE**



# eurocol 881

the strong connection



## EUROSEAL EPOXY

Very high-quality sealant based on 2-component epoxy for fast and durable sealing of joints around shower drains and shower channels. Adheres excellently to stainless steel and plastics. Suitable for indoor applications and for natural stone.

### PRODUCT TYPING

Base	2 component epoxy. Component A polyols and Component B isocyanates.
Color	Grey.

- Odourless and neutral curing
- Indoor use
- After hardening durably water-tight
- Excellent adhesion to stainless steel and plastic
- Non-corrosive w.r.t. metals.

### PROPERTIES

Consumption	<u>Net estimate consumption:</u> Shower put 15 x 15 cm approx. 30 ml. Shower drain 70 cm approx. 75 ml. Depending on joint width (min. 5 mm) and depth.
Elongation at break	According to DIN 53 504: approx. 90%.
Skin forming time	After approx. 1 minute tool and smooth.
Temperature resistance	After curing between -5 °C and + 120 °C.
Tensile	: According to DIN 53 504: approx. 14 MPa (N/mm <sup>2</sup> ).

### APPLICATION

- Epoxy-based sealing kit for fast and durable sealing of joints around shower drains or shower channels.
- Excellent adhesion on stainless steel and plastic.
- Suited for indoor applications and for natural stone.

### PROCESSING

Storage	Dry and free from frost in closed packaging at a temperature 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.
Processing time	Approx. 8-10 min at 23 °C and a relative humidity of 55%.
Skinning Time	After approx. 1 minute tool and smooth.
Shelf Life	Approx. 18 months.
Application temperature	From +10 °C tot +35 °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:

**881 EUROSEAL EPOXY**

- 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.
- Excellent adhesion on tiles, stainless steel and plastic.
- Given the diversity of materials in the market, if in doubt about the application, it is advisable to set up a preliminary test or to contact our Technical Advice department.
- If in doubt about the applications, set up a preliminary test area or contact our Technical Advice department.

#### Instruction manual:

- Remove all dirt and grease around the area to be sealed.
- Then carefully cover the tiles around the channel/drain with tape.
- Open the kit gun and remove the cap from the container of 2C-epoxy sealing kit. Place this in the kit gun.
- Build pressure and apply the first 0.5 cm **without** mixer tip on a piece of cardboard, or such. This is just to check that both components are delivered through the opening. Then place the mixer tip on the container for a proper blending and colour.
- Apply 881 Euroseal Epoxy equally with a manual kit gun and be sure to work tidily and carefully. Processing time is approx. 8-10 minutes.
- After having applied the kit, finish it smoothly within 1 minute. For this, use a spatula or knife with 886 Euroseal Finisher.
- To obtain an even contact of the sealing product and the joints, the kit gun must be placed in such a way that under pressure the material is pressed into the joints. Avoid trapped air.
- Clean tools directly after use with warm water. 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%.

## 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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

## ITEM DATA

Article	Definition	Packaging	EAN code
881	Euroseal Epoxy grey	250 ml tube	8 710345 881005
881	Euroseal Epoxy grey	12x250 ml in a box	8 710345 881012

### 881 EUROSEAL EPOXY

# eurocol 886

the strong connection



## EUROSEAL FINISHER

Ready-to-use, biodegradable finishing fluid for easy smooth finishing of various sealants based on silicone, epoxy, silane (MS) and PU. In a handy spray bottle

### PRODUCT TYPING

Base	Soap and water.
Color	Transparent.

- Ready to use
- Low-odour and pH-neutral
- Biodegradable

### PROPERTIES

Specific weight	1.03 kg/l.
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### APPLICATION

Ready-to-use fluid in a handy spray bottle for easy smooth finishing of various sealants based on silicone, epoxy, silane (MS) and PU.

### PROCESSING

Storage	Dry and frost-free in closed packaging at a temperature between + 5° and +25 °C
Shelf Life	Minimum 24 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:

- Finishing fluid facilitates the smooth finishing of freshly applied sealant joints, also known as wet smoothing.
- If in doubt about the applications, set up a preliminary test area or contact our Technical Advice department.

#### Instruction manual:

- Apply the sealant evenly with a hand or air pressure sealant gun.
- Shake the 886 Euroseal Finisher before use.
- Then finish the sealant within 10 min. (to prevent skin formation) tightly and smoothly using 886 Euroseal Finisher. Use this in combination with a moistened sealant spatula/knife or bevelled PVC pipe.
- After finishing the sealant joints tightly, rinse the entire surface thoroughly with clean water to remove excess residues of finishing fluid.

#### 886 EUROSEAL FINISHER

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## ENVIRONMENT AND HEALTH

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MSDS For detailed safety and environmental information, please refer to our website [www.eurocol.nl](http://www.eurocol.nl).

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
886	Euroseal Finisher	500 ml spray bottle	8 710345 886017
886	Euroseal Finisher	12 pieces per box	8 710345 886000

### 886 EUROSEAL FINISHER

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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](mailto:info.eurocol.de@forbo.com)

Eurocol is part of the Forbo Group



# eurocol 680

the strong connection



## ELASTILIGHT

Elastic, easy to use and lightweight paste tile adhesive with very high initial tack. Ideal for bonding large-format ceramic wall and floor tiles to almost any wall made of cement, plaster, sheet material or existing tiling. Very moisture-resistant and thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Ready-for-use dispersion adhesive with an acrylic base.
Color	Light grey.

- Emicode EC 1PLUS (Very low emission)
- Good moisture-resistant
- Lightweight (specific weight 1.1)
- Very high initial adhesion strength for large tiles
- Very easy to apply
- Favourable spreading capacity
- High Adhesive strength
- 30% lighter in weight

### PROPERTIES

Alkali resistance	680 Elastilight is resistant against an alkaline environment.
Classification	D2TE according to NEN EN 12004.. An elastic dispersion-based tile adhesive with an increased flow resistance. GEV-EMICODE EC 1 PLUS tested conform to EN 13999-2/4. Suitable for BREEAM-projects.
Consumption	1.3 - 1,75 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.
Humidity resistance	After drying 680 Elastilight is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Specific weight	1.1 kg/l.

### APPLICATION

For fixing:

- heavy tiles
- large tiles
- wall tiles
- tiles with a moisture-absorption capacity < 3%
- mosaic
- natural stone
- building and insulation materials.

NB: Fix light-coloured natural stone and glass-mosaic with 681 Marmercol or 711 Uniflex.

On almost all interior walls, e.g.:

**680 ELASTILIGHT**

- cement-based subfloors
- gypsum-based subfloors
- various sheet materials
- old tiles

## PROCESSING

<b>Storage</b>	Store free from frost. Protect against temperatures > 35 °C.
<b>Curing</b>	Minimum 24 hours. When fixing tiles with a moisture-absorption capacity < 3%, fully vitrified tiles and large tiles wait for minimum 48 hours. Drying and reaching of the final bond strength of the adhesive depends on temperature, relative humidity, subfloor and type of tile. During the setting of the adhesive, the temperature should remain above 5 °C during the day and at night.
<b>Open time</b>	15-20 Minutes, depending on temperature, relative humidity, subfloor and type of tile.
<b>Waiting time</b>	Due to the high initial adhesion strength, heavy and/or large tiles can be fixed without a waiting time
<b>Moisture resistance</b>	After drying 680 Elastilight is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° C to 25 °C (temperature of the surrounding as well as the subfloor).

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

### Substrate:

- 680 Elastilight is suitable for almost all walls, which are clean, free from dust and grease, smooth and dry.
- If necessary level stony walls with 658 Wandoforte or 955 Wandostuc.
- Prime moisture-absorbent and somewhat friable walls with 099 Dispersion Primer.
- Affix non-absorbent subfloors e.g. old tiles with tile adhesive or prime with 051 Europrimer Quartz.
- In accordance with the manufacturers recommendations gypsum plasterwork has to be at least 10 mm thick.
- For bonding of the adhesive, either the tile and/or subfloor should be able to absorb moisture.
- The subfloor should be suitable for the required application.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

- Apply the adhesive on the wall and make adhesive strips with the recommended adhesive spreader (see spreading capacity).
- Place the tiles immediately with a shuffling movement into the adhesive.
- After drying of the adhesive (minimum 24-48 hours) the joints can be filled with a Eurocol grouting cement.
- Clean tools and hands immediately with water.

### Spreading capacity for ready-for-use tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. For walls inside a minimum adhesive transport of 60% is required (divided equally over the back of the tile).

Notched spreader 4x4 mm : Spreading capacity approx. 1.3 kg/m<sup>2</sup>.  
Notched spreader 6x6 mm : Spreading capacity approx. 1.8 kg/m<sup>2</sup>.

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

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

MSDS For extensive safety and environmental information according to EEC Directive 91/155, please refer to our website [www.eurocol.nl](http://www.eurocol.nl).

### Environment and health

### 680 ELASTILIGHT

- Environmental Product Declaration EPD-NIBE-20191219-6794 verified by SGS Search / Intron.
- Tested for volatile organic compound emissions 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 by using construction and finishing materials with low emissions of harmful volatile organic compounds and other harmful substances. Suitable for BREEAM new construction and renovation.
- Packaging is made from post-consumer recycled (PCR) plastic and is fully recyclable. Only hand in packaging with no residues for recycling. Dried material residues can be disposed of with household waste.

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
680	Elastilight	11 kg Bucket	8 710345 680110

### 680 ELASTILIGHT

# eurocol 681

the strong connection



## MARMERCOL

Super-elastic, moisture-resistant and white paste tile adhesive with very favourable consumption. Ideal for bonding light-coloured natural stone and glass mosaic, but also ceramic wall and floor tiles on almost any wall made of cement, plaster, sheet material or existing tiling. Suitable for indoor use.

### PRODUCT TYPING

Base	Ready-for-use dispersion adhesive with an acrylic base.
Color	White.

- No discoloration of the tiles caused by the adhesive
- Moisture-resistant
- Super elastic
- High initial adhesion strength

### PROPERTIES

Alkali resistance	681 Marmercol is resistant against an alkaline environment.
Classification	D2TE according to NEN EN 12004. A super elastic dispersion-based tile adhesive with an increased flow resistance and an extended open time.
Consumption	Approx. 0.9 kg/m <sup>2</sup> when installing normal wall tiles on smooth subfloors.
Humidity resistance	After drying 681 Marmercol is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Specific weight	1.4 kg/l.

### APPLICATION

For fixing:

- light-coloured marble
- glass-mosaic and glass tiles

but also:

- wall tiles
- tiles with a moisture-absorption capacity < 3%
- building and insulation materials.

On almost all walls, e.g.:

- cement-based subfloors
- gypsum-based subfloors
- various sheet material
- old tiles.

**681 MARMERCOL**



## PROCESSING

Storage	Store free from frost. Protect against temperatures > 35 °C.
Curing	Minimum 24 hours. When fixing tiles with a moisture-absorption capacity < 3%, fully vitrified tiles and natural stone wait for minimum 48 hours. Drying and reaching of the final bond strength of the adhesive depending on temperature, relative humidity, subfloor and type of tile.
Open time	20-30 Minutes, depending on temperature, relative humidity, subfloor and type of tile.
Waiting time	None.
Moisture resistance	After drying 681 Marmercol is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	From 5° C to 25 °C (temperature of the surrounding as well as the subfloor). During bonding of the adhesive the temperature during day and night should be > 5 °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:

- 681 Marmercol is suitable for almost any type of wall that is clean, free from grease and dust, smooth and dry.
- If necessary level stony walls with 658 Wandoforte or 955 Wandostuc.
- Prime moisture-absorbent and somewhat friable walls with 099 Dispersion Primer.
- Affix non-absorbent subfloors e.g. old tiles with tile adhesive or prime with 051 Europrimer Quartz.
- In accordance with the manufacturers recommendations gypsum plasterwork has to be at least 10 mm thick.
- For bonding of the adhesive, either the tile and/or subfloor should be able to absorb moisture.
- The subfloor should be suitable for the required application.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

- Apply the adhesive on the wall and make adhesive strips with the recommended adhesive spreader (see spreading capacity/notched spreader). Make sure that the entire back of the tile is covered with adhesive. Otherwise the adhesive strips will shine through the natural stone.
- Place the tiles immediately with a shuffling movement into the adhesive. On non-absorbent subfloors wait for 10-15 minutes to allow the adhesive to set-off before placing the tiles.
- After drying of the adhesive (minimum 24-48 hours) the joints can be filled with Eurocol grouting cement.
- Clean tools and hands immediately with water.

### Spreading capacity/notched spreader for ready-for-use tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. For walls inside a minimum adhesive transport of 60% is required (divided over the back of the tile). For tiles on facades a minimum adhesive transport of 80% is required (divided over the back of the tile).

Notched spreader : Spreading capacity 1.3 kg/m<sup>2</sup>  
Notched spreader 4x4 mm : Spreading capacity approx. 1.8 kg/m<sup>2</sup>  
Notched spreader 6x6 mm : Spreading capacity approx. 2.5 kg/m<sup>2</sup>

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

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

### **Environment and health**

### **681 MARMERCOL**

- Environmental Product Declaration EPD-NIBE-20210512-19486verified by SGS Search / Intron.
- Packaging is made of post-consumer recycled (PCR) plastic and is fully recyclable. Only return packaging without residues for recycling. Dried residues of material can be disposed of with household waste.

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**ITEM DATA**

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Article	Definition	Packaging	EAN-code
681	Marmercol	7 kg Bucket	8 710345 681025

**681 MARMERCOL**



# eurocol

# 682

the strong connection



## MAJOLICOL

Super-elastic paste tile adhesive with high initial tack and very economical consumption. Ideal for bonding ceramic wall and floor tiles to almost any wall made of cement, plaster, sheet material or existing tiling. Suitable for indoor and outdoor use.

### PRODUCT TYPING

Base	Ready-for-use dispersion adhesive with an acrylic base.
Color	Yellow.

- Favourable spreading capacity
- For in- and outdoor use
- After drying frost-resistant
- Moisture-resistant
- Super elastic
- High initial adhesion strength
- Very suitable for application on facades

### PROPERTIES

Alkali resistance	682 Majolicol is resistant against an alkaline environment.
Classification	D2TE according to NEN EN 12004. A super elastic dispersion-based tile adhesive with an increased flow resistance and an extended open time.
Consumption	Approx. 0.9 kg/m <sup>2</sup> when installing normal wall tiles on smooth subfloors.
Humidity resistance	After drying 682 Majolicol is moisture-resistant and therefore very suitable for application in the so-called "wet areas" and on facades. The adhesive cannot be used under water (swimming pools).
Specific weight	1.4 kg/l.

### APPLICATION

For fixing:

- wall tiles
- tiles with a moisture-absorption capacity < 3%
- mosaic
- natural stone
- building and insulation materials
- brick slips.

Fix light-coloured natural stone and glass-mosaic with 681 Marmercol or 711 Uniflex.

On almost all walls, e.g.:

- cement-based walls
- gypsum-based walls
- various sheet material

**682 MAJOLICOL**

- facade cladding
- old tiles.

## PROCESSING

<b>Storage</b>	Store free from frost. Protect against temperatures > 35 °C.
<b>Curing</b>	Minimum 24 hours. When bonding DHG and stoneware tiles, allow at least 48 hours. Setting and reaching the final strength of the adhesive depend entirely on the temperature, relative humidity, substrate and type of tile. During the setting of the adhesive, the temperature must remain above 5 °C during the day and at night.
<b>Open time</b>	20-30 Minutes, depending on temperature, relative humidity, subfloor and type of tile.
<b>Waiting time</b>	None.
<b>Moisture resistance</b>	After drying 682 Majolicol is moisture-resistant and therefore very suitable for application in the so-called "wet areas" and on facades. The adhesive cannot be used under water (swimming pools).
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° C to 25 °C (temperature of the surrounding as well as the subfloor). The climate conditions during the performance of the work as well as afterwards largely determine the eventual quality of the tiling. The gluing of the tiles is ideally done at temperatures from 10 °C to max. 25 °C. Therefore, we recommend to do the outdoor tiling in the spring. We recommend not to use the adhesive at temperatures below 5 °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:

- 682 Majolicol is suitable for almost all walls, which are clean, free from dust and grease, smooth and dry.
- If necessary level stony walls with 658 Wandoforte or 955 Wandostuc.
- Prime moisture-absorbent and somewhat friable walls with 099 Dispersion Primer.
- Affix non-absorbent subfloors e.g. old tiles with tile adhesive or prime with 051 Europrimer Quartz.
- In accordance with the manufacturers recommendations gypsum plasterwork has to be at least 10 mm thick.
- For bonding of the adhesive, either the tile and/or subfloor should be able to absorb moisture.
- The subfloor should be suitable for the required application.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

#### Directions for use indoors:

- Apply the adhesive on the wall and make adhesive strips with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Place the tiles immediately with a shuffling movement into the fresh adhesive. On non-absorbent subfloors wait for 10-15 minutes to allow the adhesive to set-off, before placing the tiles.
- After drying of the adhesive (minimum 24-48 hours) the joints can be filled with Eurocol grouting cement.
- Clean tools and hands immediately with water.

#### Directions for use outdoors:

- The evenness of the foundation and the type of tile/stone strip determine the choice of notches of the trowel.
- Apply the adhesive material to the wall and draw grooves with the prescribed notched trowel (see use/notches).
- Place the tiles immediately into the fresh adhesive with a sliding motion.
- For tiling to outdoor façades, the tiles must be glued in such a way that a minimum adhesive contact surface of 80% is achieved (spread evenly over the back of the tile).
- After binding of the adhesive, 2 to 4 days, depending on weather conditions, grout with a Eurocol grouting product.
- Clean tools and hand with water straight away.

### Details:

- Protect the foundation and the tiles against negative weather conditions, e.g. damp, frost etc. to be able to guarantee the proper binding of the products used. This applies from the moment the tiles are being applied down to the binding of the grout, including any (dilation) kit.
- Frost is disastrous for the 682 Majolicol in the binding phase. In the period from October through February the risk of frost is the greatest. If the local weather forecast states that the temperature will fall below zero degrees Celsius within 4 days after applying the adhesive, sufficient protective measures must be taken to protect the adhesive from frost during the day and overnight. E.g. by packing the scaffolds in combination with heaters, insulating blankets or an alternative method. If a frost-free environment cannot be guaranteed, you must cease applying the adhesive.

### Spreading capacity/notched spreader for ready-for-use tile adhesives:

## 682 MAJOLICOL

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. For walls inside a minimum adhesive transport of 60% is required (equally divided over the back of the tile). For tiles on facades a minimum adhesive transport of 80% is required (equally divided over the back of the tile).

Notched spreader : Spreading capacity 1.3 kg/m<sup>2</sup>

Notched spreader 4x4 mm : Spreading capacity approx. 1.8 kg/m<sup>2</sup>

Notched spreader 6x6 mm : Spreading capacity approx. 2.5 kg/m<sup>2</sup>

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

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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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](http://www.eurocol.nl).

### Environment and health

- Environmental Product Declaration EPD-NIBE-20200818-11575 verified by SGS Search / Intron.
- Packaging is made of post-consumer recycled (PCR) plastic and is fully recyclable. Only return packaging without residues for recycling. Dried residues of material can be disposed of with household waste.

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## ITEM DATA

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Article	Definition	Packaging	EAN-code	Min. order
682	Majolicol	14 kg Bucket	8 710345 682015	
682	Majolicol	7 kg Bucket	8 710345 008303	
682	Majolicol	4 kg Bucket	8 710345 008310	
682	Majolicol	Box of 12x1.5 kg Bucket	8 710345 682053	
682	Majolicol	1.5 kg Bucket	8 710345 008327	12 pieces

**682 MAJOLICOL**

# eurocol 686

the strong connection



## SUPERCOL

Elastic paste tile adhesive with high initial adhesive strength and favorable consumption. Ideal for bonding ceramic wall and floor tiles to almost any wall such as cement, plaster, sheet material or existing tiling. Very moisture resistant and thanks to Emicode EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Ready-for-use dispersion adhesive with an acrylic base.
Color	Beige.

- Very low emission
- Emicode EC 1PLUS
- Elastic
- Moisture-resistant
- High initial adhesion strength
- Favourable spreading capacity

### PROPERTIES

Alkali resistance	686 Supercol is resistant against an alkaline environment.
Classification	D2TE according to NEN EN 12004. An elastic dispersion-based tile adhesive with an increased flow resistance. GEV-EMICODE EC 1PLUS tested conform to EN 13999-2/4. Suitable for BREEAM-projects.
Consumption	Approx. 1.2 kg/m <sup>2</sup> when installing normal wall tiles on smooth subfloors.
Humidity resistance	After drying 686 Supercol is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Specific weight	1.6 kg/l.

### APPLICATION

For fixing:

- walltiles
- DHG and stoneware tiles
- mosaic
- natural stone
- building and insulation materials
- stone strips.

Fix light-coloured natural stone and glass-mosaic with 681 Marmercol or 711 Uniflex.

On almost all walls, e.g.:

- cement-based subfloors
- gypsum-based subfloors
- various sheet material

686 SUPERCOL

- external wall insulation systems
- old tiles

## PROCESSING

Storage	Store free from frost. Protect against temperatures > 35 °C.
Curing	Minimum 24 hours. When fixing tiles with a moisture-absorption capacity < 3%, fully vitrified tiles and natural stone wait for minimum 48 hours. Drying and reaching of the final bond strength of the adhesive depending on temperature, relative humidity, subfloor and type of tile. During the setting of the adhesive, the temperature must remain above 5 °C during the day and at night.
Open time	15-20 Minutes, depending on temperature, relative humidity, subfloor and type of tile.
Waiting time	None.
Moisture resistance	After drying 686 Supercol is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

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

### Substrate:

- 686 Supercol is suitable for almost all walls, which are clean, free from dust and grease, smooth and dry.
- If necessary level stony walls with 658 Wandoforte or 955 Wandostuc.
- Apply 099 Dispersion Primer on all moisture absorbent walls.
- Affix non-absorbent subfloors e.g. old tiles with tile adhesive or prime with 051 Europrimer Quartz.
- In accordance with the manufacturers recommendations gypsum plasterwork has to be at least 10 mm thick.
- For bonding of the adhesive, either the tile and/or subfloor should be able to absorb moisture.
- The subfloor should be suitable for the required application.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

- Apply the adhesive on the wall and make adhesive strips with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Place the tiles immediately with a shuffling movement into the adhesive.
- After drying of the adhesive (at least 24-48 hours) the joints can be filled with Eurocol grouting cement.
- Clean tools and hands immediately with water.

### Spreading capacity/notched spreader for ready-for-use tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. For walls inside a minimum adhesive transport of 60% is required (divided over the back of the tile).

Notched spreader 6x6 mm : Spreading capacity approx. 2.5 kg/m<sup>2</sup>

Notched spreader 4x4 mm : Spreading capacity approx. 1.8 kg/m<sup>2</sup>

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

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

### Environment and health

**686 SUPERCOL**

- Environmental Product Declaration EPD-NIBE-20191219-6794 verified by SGS Search / Intron.
- Tested for volatile organic compound emissions 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 by using construction and finishing materials with 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 material residues can be disposed of with household waste.
- Dispose of product residues and cleaning water in accordance with local environmental regulations and do not empty into the sewer.

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
686	Supercol	18 kg bucket	8 710345 686181

**686 SUPERCOL**



# eurocol 688

the strong connection



## ELASTIFIX

Elastic paste tile adhesive with a very high initial adhesive strength. Ideal for bonding large-format ceramic wall and floor tiles to almost any wall and surface: cement, plaster, sheet material or existing tiling. Very moisture resistant and thanks to Emicode EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Ready-for-use dispersion adhesive with an acrylic base.
Color	Light grey.

- Emicode EC 1PLUS (very low emission)
- Very high initial adhesion strength
- Moisture-resistant

### PROPERTIES

Alkali resistance	688 Elastifix is resistant against an alkaline environment.
Classification	D2TE according to NEN-EN 12004. An elastic paste tile adhesive with increased resistance and extended open time. GEV-EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM projects.
Consumption	1.0-2.5 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.
Humidity resistance	After drying 688 Elastifix is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Specific weight	1.5 kg/l.

### APPLICATION

For fixing:

- heavy tiles
- large tiles
- wall tiles
- tiles with a moisture-absorption capacity < 3%
- mosaic
- natural stone
- building and insulation materials.

Fix light-coloured natural stone and glass-mosaic with 681 Marmercol or 711 Uniflex.

On almost all walls, e.g.:

- cement-based subfloors
- gypsum-based subfloors
- various sheet materials

688 ELASTIFIX

- old tiles.

## PROCESSING

Storage	Store free from frost. Protect against temperatures > 35 °C.
Curing	Minimum 24 hours. When fixing tiles with a moisture-absorption capacity < 3%, fully vitrified tiles and large tiles wait for minimum 48 hours. Drying and reaching of the final bond strength of the adhesive depends on temperature, relative humidity, subfloor and type of tile. During the setting of the adhesive, the temperature should remain above 5 °C during the day and at night.
Open time	15-20 Minutes, depending on temperature, relative humidity, subfloor and type of tile.
Waiting time	Due to the high initial adhesion strength, heavy and/or large tiles can be fixed without a waiting time
Moisture resistance	After drying 688 Elastifix is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Application temperature	From 5° C to 25 °C (temperature of the surrounding as well as the subfloor).

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

### Substrate:

- 688 Elastifix is suitable for almost all walls, which are clean, free from dust and grease, smooth and dry.
- If necessary level stony walls with 658 Wandoforte or 955 Wandostuc.
- Apply 099 Dispersion Primer on all moisture-absorbent walls.
- Affix non-absorbent subfloors e.g. old tiles with tile adhesive or prime with 051 Europrimer Quartz.
- In accordance with the manufacturers recommendations gypsum plasterwork has to be at least 10 mm thick,
- For bonding of the adhesive, either the tile and/or the subfloor should be able to absorb moisture.
- The subfloor should be suitable for the required application.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

- Apply the adhesive on the wall and make adhesive strips with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Place the tiles immediately with a shuffling movement into the adhesive. On impervious subfloors wait for max. 10-15 minutes to allow the adhesive to set-off, before placing the tiles.
- After drying of the adhesive (at least 24-48 hours) the joints can be filled with Eurocol grouting cement.
- Clean tools and hands immediately with water.

### Spreading capacity/notched spreader for ready-for-use tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. For walls inside a minimum adhesive transport of 60% is required (divided equally over the back of the tile).

Notched spreader 4x4 mm : Spreading capacity approx. 1.8 kg/m<sup>2</sup>

Notched spreader 6x6 mm : Spreading capacity approx. 2.5 kg/m<sup>2</sup>

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

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

### Environment and health

- Environmental Product Declaration EPD-DBC-20220146-IBF1-EN.
- Tested for emission of volatile organic compounds and has tested EMICODE EC 1PLUS according to EN 13999-2/4.

**688 ELASTIFIX**

- 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 material residues can be disposed of with household waste.

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
688	Elastifix	15 kg bucket	8 710345 688017

**688 ELASTIFIX**



# eurocol 690

the strong connection



## EUROPLAST

Moisture-resistant paste tile adhesive with increased stability and economical consumption. Ideal for bonding ceramic wall tiles to walls made of cement, plaster or existing tiling.

### PRODUCT TYPING

Base	Ready-for-use dispersion adhesive with an acrylic base.
Color	Off-white.

- Favourable spreading capacity
- Moisture-resistant
- High initial adhesion strength

### PROPERTIES

Alkali resistance	690 Europlast is resistant against an alkaline environment.
Classification	D1T according to NEN EN 12004. A dispersion-based tile adhesive with an increased flow resistance.
Consumption	Approx. 1.3 kg/m <sup>2</sup> when installing normal wall tiles on smooth surfaces.
Humidity resistance	After drying 690 Europlast is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Specific weight	1.6 kg/l.

### APPLICATION

For fixing:

- wall tiles
- tiles with a moisture-absorption capacity < 3%
- natural stone (except marble)
- building and insulation materials.

Fix light-coloured natural stone and glass-mosaic with 681 Marmercol or 711 Uniflex.

On almost all walls, e.g.:

- cement-based mortar layer
- gypsum plasterwork, plaster blocks
- old tiles.

### PROCESSING

Storage	Store free from frost. Protect against temperatures > 35 °C.
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**690 TEGELPASTA**

<b>Curing</b>	Minimum 24 hours. When fixing tiles with a moisture-absorption capacity < 3%, fully vitrified tiles and natural stone wait for minimum 48 hours. Drying and reaching of the final bond strength of the adhesive depending on temperature, relative humidity, subfloor and type of tile.
<b>Open time</b>	15-20 Minutes, depending on temperature, relative humidity, subfloor and type of tile.
<b>Waiting time</b>	None.
<b>Moisture resistance</b>	After drying 690 Europlast is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° C to 25 °C (temperature of the surrounding as well as the subfloor).

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

#### Substrate:

- 690 Europlast is suitable for almost all walls, which are clean, free from dust and grease, smooth and dry..
- If necessary level stony walls with 658 Wandoforte or 955 Wandostuc.
- Apply 099 Dispersion Primer on all moisture-absorbent walls.
- Affix non-absorbent subfloors e.g. old tiles with tile adhesive or prime with 051 Europrimer Quartz.
- In accordance with the manufacturers recommendations gypsum plasterwork has to be at least 10 mm thick.
- For bonding of the adhesive, either the tile and/or subfloor should be able to absorb moisture.
- The subfloor should be suitable for the required application.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Apply the adhesive on the wall and make adhesive strips with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Place the tiles immediately with a shuffling movement into the adhesive. On impervious subfloors wait for 10-15 minutes to allow the adhesive to set-off, before placing the tiles.
- After drying of the adhesive (at least 24-48 hours) the joints can be filled with a Eurocol grouting cement.
- Clean tools and hands immediately with water.

#### Spreading capacity/notched spreader for ready-for-use tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. For walls inside a minimum adhesive transport of 60% is required (divided equally over the back of the tile).

Notched spreader : Spreading capacity 1.3 kg/m<sup>2</sup>

Notched spreader 4x4 mm : Spreading capacity approx. 1.8 kg/m<sup>2</sup>

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

## **QUALITY AND GUARANTEE**



## **ENVIRONMENT AND HEALTH**

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](http://www.eurocol.nl).

#### **Environment and health**

- Environmental Product Declaration EPD-NIBE-20210324-18273 verified by SGS Search / Intron.
- Packaging is made of post-consumer recycled (PCR) plastic and is fully recyclable. Only return packaging without residues for recycling. Dried residues of material can be disposed of with household waste.

## **ITEM DATA**

### **690 TEGELPASTA**

Article	Definition	Packaging	EAN-code	Min. order
690	Europlast	16 kg bucket	8 710345 008808	
690	Europlast	8 kg bucket	8 710345 008815	
690	Europlast	4 kg bucket	8 710345 008822	

#### 690 TEGELPASTA

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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](mailto:info.eurocol.de@forbo.com)

Eurocol is part of the Forbo Group



# eurocol 2000

the strong connection



## BOUWPASTA

Universal and elastic paste tile adhesive with high initial tack and economical consumption. Ideal for bonding ceramic wall and floor tiles to almost any wall and substrate: cement, plaster, sheet material or existing tiling. Very moisture-resistant and thanks to Emicode EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Ready-for-use dispersion adhesive with an acrylic base.
Color	Yellow/brown.

- EMICODE EC 1PLUS (very low emission)
- Favourable spreading capacity
- Moisture-resistant
- Elastic
- High initial adhesion strength

### PROPERTIES

Alkali resistance	2000 Bouwpasta is resistant against an alkaline environment.
Classification	D2TE according to NEN EN 12004. A super elastic dispersion-based tile adhesive with an increased flow resistance and an extended open time. GEV EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM-projects.
Colour palette	Yellow/brown.
Consumption	Approx. 1 kg/m <sup>2</sup> when installing normal wall tiles on smooth subfloors.
Flammability	Non-flammable.
Humidity resistance	After drying 2000 Bouwpasta is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
Specific weight	1.65 kg/l.

### APPLICATION

For fixing:

- wall tiles
- tiles with a moisture-absorption capacity < 3%
- mosaic
- natural stone
- building and insulation materials.

NB: Fix light-coloured natural stone and glass-mosaic with 681 Marmercol or 711 Uniflex.

On almost all walls e.g.:

### 2000 BOUWPASTA

- cement-based mortar layer
- plasterboards
- concrete, cellular concrete
- gypsum plasterwork, plaster blocks
- old tiles
- various sheet materials
- sand-lime brick elements.

## PROCESSING

<b>Storage</b>	Store free from frost. Protect against temperatures > 35 °C.
<b>Curing</b>	Minimum 24 hours. For tiles with a moisture-absorption capacity < 3% wait for at least 48 hours. Drying and reaching the final bond strength of the adhesive are entirely depending on temperature, relative humidity, surface and type of tile.
<b>Open time</b>	20-30 Minutes, depending on temperature, relative humidity, subfloor and type of tile.
<b>Waiting time</b>	None.
<b>Moisture resistance</b>	After drying 2000 Bouwpasta is moisture-resistant and therefore very suitable for application in the so-called "wet areas". The adhesive cannot be used under water (swimming pools).
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (surrounding and subfloor 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:

- 2000 Bouwpasta is suitable for almost all walls, which are clean, free from dust and grease, smooth and dry.
- If necessary level stony walls with 658 Wandoforte or 955 Wandostuc.
- Apply 099 Dispersion Primer on all moisture-absorbent walls.
- Affix non-absorbent subfloors e.g. old tiles with tile adhesive or prime with 051 Europrimer Quartz.
- In accordance with the manufacturers recommendations gypsum plasterwork has to be at least 10 mm thick.
- For bonding of the adhesive, either the tile and/or subfloor should be able to absorb moisture.
- The subfloor should be suitable for the required application.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

- Apply the adhesive on the wall and make adhesive strips with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Place the tiles immediately with a shuffling movement into the adhesive. On impervious subfloors wait for max. 10 - 15 minutes to allow the adhesive to set-off before placing the tiles.
- After drying of the adhesive (at least 24 hours) the joints can be filled with Eurocol grouting cement.
- Clean tools and hands immediately with water.

### Spreading capacity/notched spreader for ready-for-use tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. For walls inside a minimum adhesive transport of 60% is required (divided over the back of the tile).

Notched spreader : Spreading capacity 1.3 kg/m<sup>2</sup>

Notched spreader 4x4 mm : Spreading capacity approx. 1.8 kg/m<sup>2</sup>

Notched spreader 6x6 mm : Spreading capacity approx. 2.5 kg/m<sup>2</sup>

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

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

### 2000 BOUWPASTA



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](http://www.eurocol.nl).

### Environment and health

- Environmental Product Declaration EPD-NIBE-20200805-11474 verified by SGS Search / Intron.
- Tested for volatile organic compound emissions 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 by using construction and finishing materials with low emissions of harmful volatile organic compounds and other harmful substances. Suitable for BREEAM new construction and renovation.
- Packaging is made from post-consumer recycled (PCR) plastic and is fully recyclable. Only hand in packaging with no residues for recycling. Dried material residues can be disposed of with household waste

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### ITEM DATA

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Article	Definition	Packaging	EAN-code
2000	Bouwpasta	18 kg Bucket	8 710345 200189
2000	Bouwpasta	8 kg Bucket	8 710345 009720

### 2000 BOUWPASTA

# eurocol 691

the strong connection



## TILE ADHESIVE

Cement-based tile adhesive for bonding ceramic wall and floor tiles, mosaic and flat dark-colored natural stone on rigid stone surfaces.

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### PRODUCT TYPING

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Base	Cement-based powder with additives to be mixed with water.
Color	Grey.

- Suitable for solid subfloors
- Moisture-resistant
- High initial adhesion strength
- High final bond strength

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### PROPERTIES

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Aging	691 Tile Adhesive does not deteriorate with age.
Classification	C1 according to NEN EN 12004-2:2017. A cement-based tile adhesive.
Consumption	1.2 - 3.5 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.

691 TEGELLUM

## APPLICATION

- For fixing wall and floor tiles, mosaic and flat dark coloured natural stone on solid, stony subfloors.
- Not suitable for outdoor use and water pressure (constant moisture-pressure). For this purpose use a moisture- and frost-resistant tile adhesive from Eurocol.
- Because of the possibility of discoloration, not suitable for fixing glass-mosaic and light-coloured natural stone, such as marble. For these applications we recommend 711 Uniflex or 681 Marmercol.
- Not suitable for tiles with a moisture-absorbency capacity of 1% or less, tested in accordance with NEN EN 14411.

## PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	Add 25 kg 691 Tile Adhesive to approx. 6.5 litres of water. 5 kg 691 Tile Adhesive to approx. 1.3 litres of water.
Curing	1-2 days, depending on the subfloor and temperature. Lower temperatures will slow down the drying time. During the setting of the adhesive, the temperature must remain above 5°C during the day and at night.
Open time	Place the tiles within 15 to 20 minutes into the wet adhesive, depending on the subfloor and temperature.
Processing time	Apply the mixture within 90 minutes.
Waiting time	After mixing with water wait for a few minutes, stir once again and apply the mixture on the subfloor.
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	From 5° C to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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, dry and free from grease, dirt and dust.
- Prime all moisture-absorbent, stony walls with 099 Dispersion Primer (drying time minimum 1-2 hours).
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

- Add 25 kg of 691 Tile Adhesive to approx. 6.5 litres of cool and clean tap water and stir the mortar for 1 minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture.
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Press the tiles within 15 to 20 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- The mixed adhesive must be applied within 90 minutes. Do not add extra water!
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after minimum 24 hours.

### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). Check the adhesive contact regularly.

Spreader 4x4 mm : Spreading capacity approx. 1.2 kg/m<sup>2</sup>  
Spreader 6x6 mm : Spreading capacity approx. 2.0 kg/m<sup>2</sup>  
Spreader 8x8 mm : Spreading capacity approx. 2.7 kg/m<sup>2</sup>  
Spreader 10x10 mm : Spreading capacity approx. 3.5 kg/m<sup>2</sup>

## QUALITY AND GUARANTEE



**691 TEGELLUM**

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## ENVIRONMENT AND HEALTH

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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](http://www.eurocol.nl).

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## ITEM DATA

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Article	Definition	Packaging	EAN-code	Min. order
691	Tile Adhesive	25 kg bag	8 710345 000604	
691	Tile Adhesive	5x5 kg box	8 710345 691048	
691	Tile Adhesive	5 kg box	8 710345 000017	5 pieces

### 691 TEGELLUM

# eurocol 705

the strong connection



## WATERTIGHT TILE ADHESIVE

High-quality, frost-resistant powder tile adhesive for the flexible and waterproof bonding of ceramic wall and floor tiles, mosaic and flat dark-colored natural stone. Applicable to almost any cement-based surface, concrete, existing tiling, underfloor heating etc. Ideal for wet areas, swimming pools and outdoor applications. Thanks to Emicode EC 1PLUS (very low emission), also suitable for BREEAM projects.

### PRODUCT TYPING

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

- Dust reduced
- EMICODE EC 1PLUS (very low emission)
- For in- and outdoor use
- Suitable for almost all subfloors
- Watertight (when applied as an impervious layer)
- Flexible
- Moisture- and frost-resistant
- Very suitable for tiles with an absorption capacity of 1% or less
- High initial adhesion strength
- High final bond strength
- For wall and floor
- Suitable for underfloor heating

### PROPERTIES

Classification	C2TE and S1 (flexible) according to NEN-EN 12004-2:2017. A flexible cement-based powder tile adhesive with increased resistance and an extended open time. GEV-EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM projects.
Consumption	1.2 - 3.5 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.
Dust factor	< 5% components with a particle of < 2 µm(micrometer)

### APPLICATION

- For the flexible and water-resistant fixing of wall and floor tiles, mosaic and flat dark coloured natural stone, various ceramic tiles, flagstones, split tiles, porcelain stoneware tiles and other tiles with an minor absorption capacity on almost any type of subfloor e.g. concrete, wood, old tiles, granito, underfloor heating etc.
- Very suitable for application in the "wet areas", swimming pools and outdoor use.
- For fixing glass-mosaic and light-coloured natural stone, such as marble. For these applications we recommend 711 Uniflex or 681 Marmercol.

705 SPECIAALLIJM

## PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	Add 25 kg 705 Watertight Tile Adhesive to approx. 6 litres of water. 5 kg 705 Watertight Tile Adhesive to approx. 1.2 litres of water.
Curing	Minimum 24 hours, depending on the subfloor and temperature. Lower temperatures will slow down the drying time. During bonding of the adhesive the temperature during day and night must be > 5 °C.
Open time	Place the tiles within 15 to 20 minutes into the wet adhesive, depending on the subfloor and temperature.
Processing time	Apply the mixture within 60 minutes.
Waiting time	After mixing with water wait for a few minutes, stir once again and apply the mixture on the subfloor.
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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, dry and free from grease, dirt and dust.
- When using the adhesive outdoors apply two layers of 740 Isoflex 2K. Also remove all old ceramic finishing.
- Wooden floors, made of floorboards, should be sufficiently supported underneath (distance between the beam maximum 60 cm). To attain a fixed construction screw water-resistant plywood (minimum 12 mm thickness) on top of this layer. Thereafter apply 099 Dispersion Primer and prime completely with 685 Eurocoat. Maximum tile size 30x30 cm.
- Prime moisture-sensitive or absorbent subfloors e.g. gypsum-based walls wit 099 Dispersion Primer. Apply 685 Eurocoat in the shower area to attain an impervious layer between the tile adhesive and subfloor.
- Prime self-levelling anhydrite floors with a residual construction moisture percentage of 0.5% with 099 Dispersion Primer (drying time minimum 12 hours).
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

- Add 25 kg of 705 Watertight Tile Adhesive to approx. 6 litres of cool and clean tap water and stir the mortar for 1 minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture.
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader.
- Press the tiles within 15 to 20 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- For the watertightness on floors in wet areas first apply an impervious layer of approx. 5 mm thickness with a flat trowel. Thereafter make adhesive strips with the recommended adhesive spreader. When it is absolutely necessary to obtain a water-resistant layer, make two actions. First apply an impervious layer of approx. 3 mm thickness with a flat trowel and let dry for minimum 5 hours. Thereafter apply a second layer and make adhesive strips.
- In dry areas make the adhesive strips with the recommended adhesive spreader in the usual way.
- Apply the mixed adhesive within 60 minutes. Do not add extra water!
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after minimum 24 hours.

### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). For outdoor purposes this contact must be 100%. Also counts for heavy-duty indoor floors, e.g. store and warehouse floors. Check the adhesive contact regularly.

Spreader 4x4 mm : Spreading capacity approx. 1.2 kg/m<sup>2</sup>  
Spreader 6x6 mm : Spreading capacity approx. 2.0 kg/m<sup>2</sup>  
Spreader 8x8 mm : Spreading capacity approx. 2.7 kg/m<sup>2</sup>  
Spreader 10x10 mm : Spreading capacity approx. 3.5 kg/m<sup>2</sup>

## QUALITY AND GUARANTEE



**705 SPECIAALLUM**

## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

### Environment and health

- Environmental Product Declaration EPD-NIBE-20210224-17685 verified by SGS Search / Intron.
- Low dust with dust factor < 5% components with a particle size of < 2 µm (micrometer).
- 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 a healthy and good indoor air quality because the construction and finishing materials used cause low emissions of harmful volatile organic compounds and other harmful substances. Suitable for BREEAM new construction and renovation.

## ITEM DATA

Article	Definition	Packaging	EAN-code	Min. order
705	Watertight Tile Adhesive	25 kg bag	8 710345 010436	
705	Watertight Tile Adhesive	5x5 kg box	8 710345 705011	
705	Watertight Tile Adhesive	5 kg box	8 710345 705028	5 pieces



Package 25  
kg



Package 5  
kg

### 705 SPECIAALLIJM

# eurocol 709

the strong connection



## SUPERFLEX

Flexible cement-based tile adhesive for bonding ceramic wall and floor tiles, mosaic and flat dark-colored natural stone. Applicable to almost any cement-based surface, concrete, existing tiling, underfloor heating etc. Thanks to Emicode EC 1PLUS (very low emission), also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Cement-based powder with additives and a high synthetic binder to be mixed with water.
Color	Grey and white.

- Emicode EC 1PLUS (Very low emission)
- Suitable for almost all subfloors
- Permanent flexible
- High initial adhesion strength
- High final bond strength
- For wall and floor
- Suitable for underfloor heating

### PROPERTIES

Classification	C2TE and S1 (flexible) according to NEN-EN 12004. A flexible powder tile adhesive with increased stability and an extended open time. GEV-EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM projects.
Consumption	1.2 - 3.5 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.
Flammability	Non-flammable.

### APPLICATION

- For fixing floor tiles, mosaic and flat, dark-coloured natural stone on almost any type of subfloor e.g. wood, old tiles, granito and underfloor heating.
- Also suitable for fixing wall tiles on uneven subfloors (e.g. sand-lime bricks) and for fixing non-absorbent tiles on non-absorbent walls.
- For outdoor use contact our technical advisers. Not suitable in case of water-pressure (constant moisture pressure).
- Because of the possibility of discoloration 709 Superflex grey is not suitable for fixing glass-mosaic and light-coloured natural stone, such as marble. For these applications we recommend 709 Superflex white.

### PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	Add 25 kg 709 Superflex to approx. 6.5 litres of water. Add 5 kg 709 Superflex to approx. 1.3 litres of water
Curing	1-5 Days, depending on the subfloor and temperature. Lower temperatures will slow down the drying time.

#### 709 SUPERFLEX



<b>Open time</b>	Place the tiles within 15 to 20 minutes into the wet adhesive, depending on the subfloor and temperature.
<b>Processing time</b>	Apply the mixture within 90 minutes.
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mixture on the subfloor.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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, dry and free from grease, dirt and dust.
- Wooden floors, made of floorboards, should be sufficiently supported underneath (distance between the beam maximum 60 cm). To attain a fixed construction screw water-resistant plywood (minimum 12 mm thickness) on top of this layer. Thereafter apply 099 Dispersion Primer and prime completely with 685 Eurocoat. Maximum tile size 30x30 cm.
- Prime moisture-sensitive, absorbent surfaces, such as plaster-like walls, with 099 Dispersion Primer. Provide these surfaces in the spray area with a completely closed layer of 685 Eurocoat, so that a closed layer is created between tile adhesive and surface.
- Prime self-levelling anhydrite floors with a residual construction moisture percentage of 0.5% with 044 Europrimer Multi or 099 Dispersion Primer (drying time minimum 12 hours).
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Add 25 kg of 709 Superflex to approx. 6.5 litres of cool and clean tap water and stir the mortar for one minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture.
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Place the tiles within 15 to 20 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- Apply the mixed adhesive within 90 minutes. Do not add extra water!
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after minimum 24 hours.

#### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). Check the adhesive contact regularly.

Spreader 4x4 mm : Spreading capacity approx. 1.2 kg/m<sup>2</sup>  
 Spreader 6x6 mm : Spreading capacity approx. 2.0 kg/m<sup>2</sup>  
 Spreader 8x8 mm : Spreading capacity approx. 2.7 kg/m<sup>2</sup>  
 Spreader 10x10 mm : Spreading capacity approx. 3.5 kg/m<sup>2</sup>

## **QUALITY AND GUARANTEE**



## **ENVIRONMENT AND HEALTH**

MSDS For extensive information about safety and environment we refer to our website [www.eurocol.nl](http://www.eurocol.nl).

#### **Environment and health**

- Environmental Product Declaration EPD-DBC-20220217-IBF1-EN.
- Low dust with dust factor < 5% components with a particle size of < 2 µm (micrometer).
- Tested for emission of volatile organic compounds and has tested EMICODE EC 1 PLUS in accordance with 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.

**709 SUPERFLEX**

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**ITEM DATA**

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Article	Definition	Packaging	EAN-code
709	Superflex	25 kg bag	
	grey		8 710345 709026
	white		8 710345 709019
	grey	5 kg box	8 710345 709262
	grey	5x5 kg box	8 710345 709255

**709 SUPERFLEX**

# eurocol 711

the strong connection



## UNIFLEX

High-quality, white moisture- and frost-resistant powder tile adhesive for the flexible and waterproof bonding of natural stone, glass mosaic and ceramic wall and floor tiles. Can be used on almost any cement-based substrate, concrete, existing tiling, underfloor heating, etc. Ideal for wet areas, swimming pools and outdoor applications. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Cement-based white powder with a high synthetic binder content to be mixed with water.
Color	White.

- Emicode EC 1PLUS (very low emission)
- Dust reduced
- For in- and outdoor use
- Permanent flexible
- Moisture- and frost-resistant
- High initial adhesion strength
- High final bond strength
- For wall and floor
- Suitable for underfloor heating

### PROPERTIES

Classification	C2TE and S1 (flexible) according to NEN-EN 12004. A flexible cement-based powder tile adhesive with increased resistance and an extended open time. GEV-EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM projects.
Consumption	1.2 - 3.5 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.

### APPLICATION

- For flexible and waterproof bonding of ceramic wall and floor tiles, glass mosaic, flat natural stone, flagstones, split tiles, porcelain stoneware tiles or other tiles with very low moisture absorption, on almost all surfaces, such as concrete, sand-cement screeds, wood, existing tiling, granite, underfloor heating, etc.
- Very suitable application in the so-called "wet areas", swimming pools and outdoor use.

### PROCESSING

Mixing ratio	Add 25 kg 711 Uniflex to approx. 6 litres of water. 5 kg 711 Uniflex to approx. 1.2 litres of water.
Curing	Minimum 24 hours, depending on the subfloor and temperature. Lower temperatures will slow the drying time. During bonding of the adhesive the temperature during day and night must be > 5 °C.

711 UNIFLEX

<b>Open time</b>	Place the tiles within 15 to 20 minutes into the wet adhesive, depending on the subfloor and temperature.
<b>Processing time</b>	Apply the mixture within 60 minutes.
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mixture on the subfloor.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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, dry and free from grease, dirt and dust.
- When using the adhesive outdoors apply two layers of 740 Isoflex 2K. Also remove all old ceramic finishing.
- Wooden floors, made of floorboards, should be sufficiently supported underneath (distance between the beam maximum 60 cm). To attain a fixed construction screw water-resistant plywood (minimum 12 mm thickness) on top of this layer. Thereafter apply 099 Dispersion Primer and prime completely with 685 Eurocoat. Maximum tile size 30x30 cm.
- Prime moisture-sensitive or absorbent subfloors e.g. gypsum-based walls wit 099 Dispersion Primer. Apply 685 Eurocoat in the shower area to attain an impervious layer between the tile adhesive and subfloor.
- Prime self-levelling anhydrite floors with a residual construction moisture percentage of 0.5% with 044 Europrimer Multi (drying time minimum 12 hours).
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Add 25 kg of 711 Uniflex to approx. 6 litres of cool and clean tap water and stir the mortar for 1 minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture.
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader.
- In wet areas, first apply an impervious water-resistant layer of adhesive (approx. 3 mm thickness) with a flat trowel. This layer has to dry for at least 5 hours.
- Press the tiles within 15 to 20 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- In dry areas, apply the strips in the usual manner using the prescribed adhesive comb.
- Apply the mixed adhesive within 60 minutes. Do not add extra water!
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after minimum 24 hours.

#### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). For outdoor purposes this contact must be 100%. Also counts for heavy-duty indoor floors, e.g. store and warehouse floors. Check the adhesive contact regularly.

Spreader 4 4 mm : Spreading capacity approx. 1.2 kg/m<sup>2</sup>  
 Spreader 6x6 mm : Spreading capacity approx. 2.0 kg/m<sup>2</sup>  
 Spreader 8x8 mm : Spreading capacity approx. 2.7 kg/m<sup>2</sup>  
 Spreader 10x10 mm : Spreading capacity approx. 3.5 kg/m<sup>2</sup>

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

#### **Environment and health**

- Environmental Product Declaration EPD-DBC-20220218-IBF1-EN.
- Low dust with dust factor < 5% components with a particle size of < 2 µm (micrometer).
- Tested for emission of volatile organic compounds and has EMICODE EC 1PLUS tested in accordance with EN 13999-2/4.

**711 UNIFLEX**

- 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.

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## ITEM DATA

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Article	Definition	Packaging	EAN-code	Min. order
711	Uniflex	25 kg bag	8 710345 052405	
711	Uniflex	5x5 kg box	8 710345 711036	
711	Uniflex	5 kg box	8 710345 000048	5 pieces

### 711 UNIFLEX

# eurocol 720

the strong connection



## UNICOL

High-quality middle bed tile adhesive with a filling capacity for bonding large-format ceramic wall and floor tiles and all types of calibrated and uncalibrated natural stone on almost all stone-like substrates using the thin or middle bed method. Suitable for wall and floor applications and underfloor heating.

### PRODUCT TYPING

Base	Cement-based powder with additives and a high synthetic binder to be mixed with water.
Color	White.

- Dust reduced
- Layer thickness from 5 to 15 mm
- For in- and outdoor use
- Flexible
- Suitable for fixing tiles with a moisture-absorption capacity of 1% or less
- Suitable for any type of natural stone
- Fast drying
- High final bond strength
- For wall and floor
- Very suitable for underfloor heating

### PROPERTIES

Classification	C2TE according to NEN EN 12004-2:2017. An improved cement-based tile adhesive with an increased flow resistance and an extended open time.
Consumption	2.7-4 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.

### APPLICATION

- For fixing according to the thin or thick-bed method of large sized ceramic wall and floor tiles on almost all stony (irregular) subfloors.
- Also suitable for all calibrated and non-calibrated natural stone, at what the differences of thickness between the boards must be filled with adhesive
- Suitable for wall and floor applications and underfloor heating.

### PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	Add 25 kg of 720 Unicol to 5-5.5 litres of water.
Curing	After minimum 24 hours the subfloor is passable, after 7 days the floor can be loaded. Lower temperatures will slow the drying time. During bonding of the adhesive the temperature during day and night must be > 5 °C.

720 UNICOL

<b>Open time</b>	Place the tiles within 15 to 20 minutes into the wet adhesive, depending on the subfloor and temperature.
<b>Processing time</b>	Apply the mixture within 60 minutes.
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mixture on the subfloor.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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, dry and free from grease, dirt and dust.
- When using the adhesive outdoors apply two layers of 740 Isoflex 2K. Also remove all old ceramic finishing.
- Prime moisture-sensitive or absorbent subfloors e.g. gypsum-based walls with 099 Dispersion Primer. Apply 685 Eurocoat in the shower area to attain an impervious layer between the tile adhesive and subfloor.
- Impervious surfaces, like existing tile work, degrease with 014 Euroclean. Thereafter let the surface dry sufficiently. Prime with 051 Europrimer Quartz or 044 Europrimer Multi.
- For calcium sulphate (anhydrite) self-levelling anhydrite floors subfloors use 725 Alphycol.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Add 25 kg of 720 Unicol to 5-5.5 litres of cool and clean tap water and stir the mortar for 1 minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture.
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Press the tiles within 15 to 20 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- Always process natural stone full and thick according to the supplier's instructions. Do not use dot bonding due to possible drawing/discolouration of the natural stone.
- Apply the mixed adhesive within 60 minutes. Do not add extra water!
- For tile over tile applications, thick adhesive layers (10-15 mm) should be avoided. If necessary, first level these surfaces with 990 Europlan Direct.
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after minimum 24 hours.

#### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). For outdoor purposes or large sized wall tiles this contact must be 100%. Also counts for heavy-duty indoor floors, e.g. store and warehouse floors. Check the adhesive contact regularly.

Notched spreader 8x8 mm : Spreading capacity approx. 2.7 kg/m<sup>2</sup>  
 Notched spreader 10x10 mm : Spreading capacity approx. 3.5 kg/m<sup>2</sup>  
 Notched spreader 12x20 mm : Spreading capacity approx. 4 kg/m<sup>2</sup>

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

#### **Environment and health**

- Environmental Product Declaration EPD-DBC-20220217-IBF1-EN
- Low dust with dust factor < 5% components with a particle size of < 2 µm (micrometer).

**720 UNICOL**

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**ITEM DATA**

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Article	Definition	Packaging	EAN-code
720	Unicol	25 kg bag	8 710345 720106

**720 UNICOL**





# eurocol 725

the strong connection



## ALPHYCOL

Fast-hardening, gypsum-based tile adhesive for bonding ceramic (large format) floor tiles and natural stone to calcium sulphate-based (anhydrite-based) cast screed floors in indoor situations. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Alpha-halfhydrate mixture with additives and synthetic binders to be mixed with water.
Color	Off-white.

- Emicode EC 1PLUS (very low emission)
- Specially for calcium sulphate based cast floors (anhydrite)
- For wall and floor
- Favourable open time
- Suitable for underfloor heating
- High final bond strength
- Fast curing and jointable
- Dust reduced
- Alphy-halfhydrate mixture
- Suitable for underfloor heating

### PROPERTIES

Classification	GEV-EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM projects.
Consumption	1.2 - 3.5 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.
Dust factor	< 5% components with a particle of < 2 µm(micrometer)

### APPLICATION

- For fixing ceramic floor tiles and natural stone on calcium sulphate based casted floors (anhydrite-based).
- Also suitable for bonding (large format) floor tiles to interior walls in dry and wet areas using the stacking method, possibly in combination with a tile levelling system.
- Not suitable for outdoor use and/or water pressure (constant moisture-pressure). For this we recommend a watertight and moisture-resistant tile adhesive from Eurocol.

### PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	Add 25 kg of 725 Alphycol to approx. 5-5.5 litres of water.
Curing	Minimum 4 hours, depending on the subfloor and temperature. Lower temperatures slow down setting.

725 ALPHYCOL

<b>Open time</b>	Place the tiles within 20 to 30 minutes into the wet adhesive, depending on the subfloor and temperature.
<b>Processing time</b>	Apply the mixture within 60 -90 minutes. 725 Alphycol residues in the bucket accelerate the hardening and shorten the processing time.
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mixture on the subfloor.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5 to 25 °C (temperature of the surrounding as well as the subfloor). During the setting of the adhesive, the temperature should remain above 5 °C during the day and at night.

*\* 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 calcium sulphate-bound cast screed must be smooth, free of grease, dirt and dust. The floor must also comply with the applicable guidelines for cast screeds.
- The maximum permitted moisture content of the calcium sulphate-bound cast screed is < 1.0% by weight (measurement with CM-Gerät).
- Assess the strength of the top layer of the calcium sulphate-bound cast screed in advance.
- Remove any loose layers and dirt by sanding or brushing the floor.
- After any sanding, remove dust with an industrial vacuum cleaner, prime the screed with 099 Dispersion Primer or 044 Europrimer Multi (minimum drying time 1 hour).
- If necessary, level the subfloor to the desired layer thickness with 920 Europlan Alphy.
- Always consult our technical product information sheets in advance. If in doubt about the applications to be made, contact our Technical Advice department in advance.

#### Instruction manual:

- Preferably mix the adhesive in a clean mixing bucket. A mixing bucket with gypsum residues will lead to a faster bonding of the adhesive.
- Add 25 kg of 725 Alphycol to approx. 5-5.5 litres of cool and clean tap water and stir the mortar for 1 minute, by using a Eurocol 855 Mixing iron (approx. 600 rpm), to a smooth and homogeneous mixture. The stirrer should be free of cement residues!
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader.
- Press the tiles within 20 to 30 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- Apply the mixed adhesive within 60-90 Do not add extra water to the bonding mortar! Scrape the tub clean before mixing new adhesive. 725 Alphycol residues accelerate hardening and shorten processing time.
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after minimum 4 hours.

#### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). Check the adhesive contact regularly.

Spreader 4x4 mm : Spreading capacity approx. 1.2 kg/m<sup>2</sup>  
 Spreader 6x6 mm : Spreading capacity approx. 2.0 kg/m<sup>2</sup>  
 Spreader 8x8 mm : Spreading capacity approx. 2.7 kg/m<sup>2</sup>  
 Spreader 10x10 mm : Spreading capacity approx. 3.5 kg/m<sup>2</sup>

## **QUALITY AND GUARANTEE**



## **ENVIRONMENT AND HEALTH**

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](http://www.eurocol.nl).

#### **Environment and health**

#### **725 ALPHYCOL**

- Environmental Product Declaration EPD-DBC-20220217-IBF1-EN
- Low dust with dust factor < 5% components with a particle size of < 2 µm (micrometer).
- Tested for emission of volatile organic compounds and has tested EMICODE EC 1PLUS in accordance with 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.

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## ITEM DATA

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### Article   Definition   Packaging   EAN-code

725     Alphycol     25 kg bag     8 710345 725019

### 725 ALPHYCOL

# eurocol 733

the strong connection



## SUPERIOR S2

Very flexible cement-based tile adhesive for bonding ceramic (large format) floor tiles and slabs, composite tiles, ceramic mosaic and flat, non-discolouration sensitive natural stone on fresh screed (cement-based screeds), wood, existing tiling, granite and underfloor heating. Suitable for indoor and outdoor applications.

### PRODUCT TYPING

Base	Cement powder to be made with water with additives and a very high plastic binder content.
Color	Grey.

- Highly deformable; S2 (> 5 mm) complying with EN 12004;
- Very high-capacity stress absorption
- Universally applicable
- Easy to process
- Lighter lifting weight due to lighter fillers
- Very economical in use
- Extended open time
- Suitable for indoor and outdoor applications
- Low chromate

### PROPERTIES

Classification	C2E according to NEN EN 12004-1: 2017 and S2 according to 12004-2:2017 58.6. Highly flexible powder tile adhesive with extended open time.
Consumption	2.4 – 3.1 kg/m <sup>2</sup> , depending on the flatness of the substrate and type of tile.

### APPLICATION

- Thin-bed adhesive for highly flexible bonding of large-format ceramic floor tiles and slabs, composite tiles, ceramic mosaic and flat, non-discolouring natural stone on fresh screed (cementitious screeds), wood, existing tilework, Granito and underfloor heating structures.
- Suitable for swimming pools and floors with heavy loads.
- Also highly suitable for outdoor applications when a decoupling mat is not often required if this adhesive is used.

### PROCESSING

Storage	Store in a cool and dry place with packaging closed.
Mixing ratio	20 kg of powder tile adhesive in approx. 5 – 5.5 litres of water.
Curing	1-3 days, depending on the substrate and temperature. Lower temperatures lead to slower setting.

733 SUPERIOR S2

<b>Open time</b>	Depending on the substrate and temperature, the tiles must be laid in the adhesive bed within 15-20 minutes.
<b>Processing time</b>	The prepared adhesive must be processed within 60 minutes.
<b>Waiting time</b>	After mixing it with water, leave the mortar to stand for 3 minutes, then continue and apply to the substrate.
<b>Shelf Life</b>	12 months in the unopened packaging. Close opened packaging well after use.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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 sufficiently pressure-resistant and tear-resistant. The substrate should also be flat, dry and free of grease, dirt and dust according to DIN 18 352.
- The bonded screed/subfloor can be given the selected ceramic finish after 1-3 days and for a floating screed/subfloor after 7 days. This applies at an ambient temperature of approximately 20°C and a relative humidity of 50 – 65%. It is also important that, before adhesive bonding, any underfloor heating is stoked up and cooled down according to the current stoking protocol.
- We recommend 740 Isoflex 2K for watertight finishing of stony surfaces on balconies and terraces on which tilework is applied.
- In many cases, this adhesive can make a decoupling system unnecessary in outdoor applications. This depends on various factors such as tile size, colour (reflection value), location, etc. Please consult our technical advisors.
- Wooden floors consisting of floor parts must be sufficiently supported (maximum beam distance 60 cm). Screw water-resistant plywood (at least 12 mm thick) onto it to create a rigid structure. Then apply 099 Dispersion primer. Maximum tile size 30x30 cm.
- Use 725 Alphacol on calcium sulphate bonded screeds (anhydrite).
- Always consult our technical product information sheets. Should you have any doubts about the use of the product, please contact our Technical Help Desk first.

#### Instruction manual:

- Add 20 kg of 733 Superior S2 to approx. 5 (thin bed) – 5.5 (fluid bed) litres of cool and clean tap water; mix the mortar mechanically with the Eurocol 855 Mixing Iron (at approx. 600 rpm) for 1 minute until a lump-free mass is obtained.
- Leave the mortar to stand for several minutes, stir well again and apply to the substrate using the correct adhesive comb (see images of use/toothings). Adhesive layer thickness 6 mm maximum.
- Press the tiles into the adhesive bed with a sliding movement within 15 - 20 minutes. Check often that the backs of the tiles always come into full contact with the adhesive. Remove excess adhesive from the joints.
- The prepared adhesive must be processed within 60 minutes. Do not add extra water to mortar that has already been bonded.
- In normal conditions, i.e. a temperature of 20°C with relative humidity of 65%, the tilework can be grouted after at least 24 hours.

#### Spreading capacity/notched spreader for powder tile adhesives:

The flatness of the substrate and the type of tile are all-important when choosing the toothing of the adhesive trowel. The choice of toothing must be such that a minimum adhesive contact area of 80 - 100% is achieved (evenly distributed over the back of the tile). Check the adhesive contact surface regularly.

Spreader 8x8 mm : Spreading capacity approx. 2.4 kg/m<sup>2</sup>  
 Spreader 10x10 mm : Spreading capacity approx. 3.1 kg/m<sup>2</sup>

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

MSDS For detailed safety and environmental information, please refer to our website [www.eurocol.nl](http://www.eurocol.nl).

## ITEM DATA

Article	Definition	Packaging	EAN-code
733	Superior S2 grey	20 kg bag	8 710345 733007

### 733 SUPERIOR S2

**733 SUPERIOR S2**

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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](mailto:info.eurocol.de@forbo.com)

Eurocol is part of the Forbo Group



# eurocol 765

the strong connection



## ECOLIGHT

Environmentally friendly, dust-free and lightweight powder tile adhesive for bonding ceramic wall and floor tiles, as well as dark-coloured natural stone, on almost all cement-based substrates such as concrete, sand-cement screeds, underfloor heating constructions, etc. Very suitable for stone strips and large-format wall tiling and use in wet areas and outdoor applications. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Cement-based powder with a high synthetic binder content, recycled raw materials and lightweight fillers to be mixed with water.
Color	Grey.
Consistency	Powder.

- Very low emission
- Emicode EC 1PLUS
- Lightweight and excellent to apply
- Very good firm ability
- Dust reduced
- Contains > 30% recycled raw materials
- Favourable open time
- Flexible
- Moisture- and frost-resistant
- For in- and outdoor use
- For wall and floor

### PROPERTIES

Classification	C2TE according to NEN EN 12004 and S1 according to NEN EN 12002. A flexible cement-based tile adhesive with an increased flow resistance and an extended open time. Emicode EC 1PLUS tested conform to EN 13999-2/4. Suitable for BREEAM projects.
Consumption	Depending on the smoothness of the subfloor and type of tile.
Dust factor	< 5% components with a particle of < 2 µm(micrometer)

765 ECOLIGHT

## APPLICATION

- Environmentally friendly, dust reduced cement-based tile adhesive for fixing ceramic wall- and floor tiles, as well dark-coloured natural stone, on almost all cement-based surfaces e.g. concrete, cement screed underfloor heating systems etc.
- Very suitable for fixing brick slips and large measurements ceramic wall- and floor tiles and in so-called wet areas and outdoor applications.
- For extreme applications like swimming pools and terraces use specific developed adhesives like 705 Watertight Tile Adhesive or 733 Superior S2.
- For glass mosaic or light coloured natural use 711 Uniflex or 681 Marmercol.

## PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	Add 15 kg 765 Ecolight to 8 (wall application) or 9 (floor application) litres of water.
Curing	Minimum 24 hours, depending on the subfloor and temperature. Lower temperatures will slow down the drying time. During bonding of the adhesive the temperature during day and night must be > 5 °C.
Open time	Place the tiles within 15 to 20 minutes into the wet adhesive, depending on the subfloor and temperature.
Processing time	Apply the mixture within 90 minutes.
Waiting time	After mixing with water wait for a few minutes, stir once again and apply the mixture on the subfloor.
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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, dry and free from grease, dirt and dust.
- When using the adhesive outdoors apply 740 Isoflex 2K. Also remove all old ceramic finishing.
- Prime moisture-sensitive, absorbent subfloors such as plaster stucco with 099 Dispersion Primer and apply 685 Eurocoat to attain an impervious layer between the tile adhesive and subfloor .
- Degrease absorbent subfloors such as existing tile work with 014 Euroclean. After that completely dry the subfloor. Afterwards prime with 051 Europrimer Quartz.
- For self-levelling anhydrite floors use our 725 Alphycol.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

### Instruction manual:

- Add 15 kg of 765 Ecolight to approx. 8 (wall application) to 9 (floor application) litres of cool and clean tap water and stir the mortar for a few minutes, by using an electric (Eurocol 855) stirrer (approx. 600 rpm), to a smooth and homogeneous mixture.
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Press the tiles within 15 - 20 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- Apply the mixed adhesive within approx. 90 minutes. Do not add extra water to the bonding mortar!
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after approx. 24 hours

### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). For outdoor purposes this contact must be 100%. Also counts for heavy-duty indoor floors, e.g. store and warehouse floors. Check the adhesive contact regularly.

Spreader , 4x4 mm : Spreading capacity approx. 0.7 kg/m<sup>2</sup>  
Spreader , 6x6 mm : Spreading capacity approx. 1.1 kg/m<sup>2</sup>  
Spreader , 8x8 mm : Spreading capacity approx. 1.5 kg/m<sup>2</sup>  
Spreader , 10x10 mm : Spreading capacity approx. 2 kg/m<sup>2</sup>

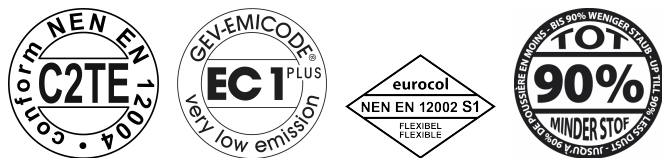
**765 ECOLIGHT**



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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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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](http://www.eurocol.nl).

### Environment and health

- Environmental Product Declaration EPD-NIBE-20210224-17685 verified by SGS Search / Intron.
- Low dust with dust factor < 5% components with a particle size of < 2 µm (micrometres).
- 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.

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## ITEM DATA

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### Article Definition Packaging EAN-code

765 Ecolightt 15 kg bag 8 710345 765107

**765 ECOLIGHT**

# eurocol

# 777

the strong connection



## FLEXICOL

Flexible powder tile adhesive for bonding ceramic wall and floor tiles, mosaic and flat dark-coloured natural stone. Can be used on almost any cement-based substrate, concrete, existing tiling, underfloor heating, etc.

### PRODUCT TYPING

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

- Suitable for almost all subfloors
- High initial adhesion strength
- High final bond strength
- Easy to apply
- Permanent flexible
- Low chromate

### PROPERTIES

Aging	777 Flexicol does not deteriorate with age.
Classification	C2TE according to NEN EN 12004. A cement-based tile adhesive with an increased slip resistance and an extended open time.
Consumption	1.2 - 3.5 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.

### APPLICATION

- For the flexible fixing of wall and floor tiles on almost all subfloors (e.g. wood, concrete, old tiles etc.).
- Also very suitable for fixing wall tiles on uneven subfloors (e.g. lime-sand stone) and for fixing non-absorbent tiles on non-absorbent walls.
- Not suitable for outdoor applications and in case of water pressure (constant moisture-pressure). Use 705 Watertight Tile Adhesive, 711 Uniflex or 795 Uni-Quick.
- Because of the possibility of discoloration, 777 Flexicol grey is not suitable for fixing glass-mosaic and light-coloured natural stone, such as marble. For these applications we recommend 777 Flexicol white.

### PROCESSING

Storage	Store cool, dry and in closed packaging.
Mixing ratio	25 kg 777 Flexicol to approx. 6 litres of water.
Curing	24-48 Hours, depending on the subfloor and temperature. Lower temperatures will slow down the bonding time.
Open time	Place the tiles within approx. 15 minutes into the wet adhesive, depending on the subfloor and temperature.

777 FLEXICOL

<b>Processing time</b>	Apply the mixture within 90 minutes.
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mortar on the subfloor.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

*\* 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, dry and free from grease, dirt and dust, according to the requirements of DIN 18 352.
- Wooden floors, made of floorboards, should be sufficiently supported underneath (distance between the beam maximum 60 cm). To attain a fixed construction screw water-resistant plywood (minimum 12 mm thickness) on top of this layer. Thereafter apply 099 Dispersion Primer and primer. Maximum tile size 30x30 cm.
- For self-levelling anhydrite floors use our 725 Alphycol.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Add 25 kg of 777 Flexicol to approx. 6 litres of cool and clean tap water and stir the mortar for one minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture.
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Place the tiles within approx. 15 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- Apply the mixed adhesive within 90 minutes. Do not add extra water!
- Floor tiles are passable after 24 hours.
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after minimum 24 hours.

#### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). Check the adhesive contact regularly.

Spreader , 4x4 mm : Spreading capacity approx. 1.2 kg/m<sup>2</sup>  
 Spreader , 6x6 mm : Spreading capacity approx. 2.0 kg/m<sup>2</sup>  
 Spreader , 8x8 mm : Spreading capacity approx. 2.7 kg/m<sup>2</sup>  
 Spreader , 10x10 mm : Spreading capacity approx. 3.5 kg/m<sup>2</sup>

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

MSDS For extensive information about safety and environment we refer to our website [www.eurocol.nl](http://www.eurocol.nl).

## ITEM DATA

### Article Definition Packaging EAN-code

777	Flexicol	25 kg bag	
	grey		8 710345 777018
	white		8 710345 777209

**777 FLEXICOL**

# eurocol 795

the strong connection



## UNI-QUICK

Fast setting powder tile adhesive for fast bonding of ceramic wall and floor tiles, mosaic and dark-coloured natural stone on dimensionally stable floors. Suitable for use in wet areas, swimming pools and outdoor applications.

### PRODUCT TYPING

Base	Cement-based powder with additives to be mixed with water.
Color	Grey.
Consistency	Powder.

- Passable after 3 hours at 20 °C
- Moisture- and frost-resistant
- Easy to apply
- For wall and floor
- For in- and outdoor use
- Suitable for fixing tiles with a moisture-absorption capacity of 1% or less
- High initial adhesion strength
- High final bond strength
- Does not deteriorate with age
- Low chromate

### PROPERTIES

Aging	795 Uni-Quick does not deteriorate with age.
Classification	Flexible cement-based tile adhesive, which as far as final bond strength, moisture- and frost-resistance complies with C2FE, according to NEN EN 12004.
Consumption	1.2 - 3,5 kg/m <sup>2</sup> , depending on the smoothness of the subfloor and type of tile.

### APPLICATION

- For a fast fixing of tiling, mosaic and dark-coloured natural stone on solid floors.
- Suitable for application in the so-called "wet areas", swimming pools and outdoor use.
- Also suitable for tiles with a moisture-absorption capacity of 1% or less, tested in accordance with EN 99.
- Because of the possibility of discoloration not suitable for fixing glass-mosaic and light-coloured natural stone, such as marble. For these applications we recommend 711 Uniflex or 681 Marmercol.

### PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	Add 25 kg of 795 Uni-Quick to 5-5,5 litres of water. 5 kg of 795 Uni-Quick to 1-1.1 litres of water.
Curing	3-5 Hours, depending of the subfloor and temperature. Lower temperatures will slow down the drying time.

795 UNI-QUICK

<b>Open time</b>	Place the tiles within 10 minutes into the wet adhesive, depending on the subfloor and temperature.
<b>Processing time</b>	Use within 20 minutes after mixing.*
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mixture on the subfloor.
<b>Shelf Life</b>	9 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor).

\* 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, dry and free from grease, dirt and dust, according to the requirements of DIN 18 352.
- When using the adhesive outdoors apply 740 Isoflex 2K. Also remove all old ceramic finishing.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

#### Instruction manual:

- Add 25 kg of 795 Uni-Quick to 5-5.5 litres of cool and clean tap water and stir the mortar for 1 minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture.
- After stirring wait for a few minutes, stir once again and apply the adhesive on the subfloor with the recommended adhesive spreader (see spreading capacity/notched spreader).
- Press the tiles within 10 minutes with a shuffling movement into the adhesive. Check regularly to ensure that the entire back of the tile is in full contact with the adhesive. Remove excess adhesive immediately from the joints.
- Apply the mixed adhesive within 20 minutes. Do not add extra water!
- Under normal circumstances, i.e. a temperature of 20 °C and a relative humidity of 65%, the joints may be filled after 3-5 hours.

#### Spreading capacity/notched spreader for powder tile adhesives:

The smoothness of the subfloor and type of tile are determining for the adhesive spreader to be used. Selection of the notched spreader should be made in such way that a minimum adhesive contact of 80% is guaranteed (equally divided over the back of the tile). For outdoor purposes this contact must be 100%. Also counts for heavy-duty indoor floors, e.g. store and warehouse floors. Check the adhesive contact regularly.

Spreader , 4x4 mm : Spreading capacity approx. 1.2 kg/m<sup>2</sup>  
 Spreader , 6x6 mm : Spreading capacity approx. 2.0 kg/m<sup>2</sup>  
 Spreader , 8x8 mm : Spreading capacity approx. 2.7 kg/m<sup>2</sup>  
 Spreader , 10x10 mm : Spreading capacity approx. 3.5 kg/m<sup>2</sup>

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

## ITEM DATA

Article	Definition	Packaging	EAN-code	Min. order
795	Uni-Quick	25 kg bag	8 710345 795012	
795	Uni-Quick	5x5 kg box	8 710345 795029	
795	Uni-Quick	5 kg box	8 710345 795036	5 pieces

### 795 UNI-QUICK

# eurocol

# 692

the strong connection

## JOINTING CEMENT

Joint material for grouting ceramic floor tiles on rigid cement-based subfloors. Joint width of 4-12 mm



### PRODUCT TYPING

Base	Cement-powder with additives and a high synthetic binder content, to be mixed with water.
Color	Grey..
Consistency	After mixing a smooth and homogeneous mixture.

- Dust reduced
- Suitable for floor tiles
- Suitable for all rigid subfloors
- Joint width 4-12 mm
- Very suitable for large floors

### PROPERTIES

Classification	Complies with CG1, according to NEN EN 13888.
Cleaning resistance	692 Jointing Cement is resistant against domestic cleaners with a pH-value of 7 or higher.
Consumption	600-3.000 g/m <sup>2</sup> , depending on the size of the tile, joint width and depth. The following formula will enable you to calculate the required quantity of grouting cement per m <sup>2</sup> :  $\text{joint width (mm)} \times \text{joint depth (mm)} \times \text{joint length per m}^2 \text{ (m)} \times \text{specific weight (1.7)} \times \text{extra expenditure factor (1.5)} = \dots\dots\dots \text{g/m}^2$
Dust factor	Components with a particle of < 2 µm(micrometer) < 5%

### APPLICATION

- For grouting ceramic floor tiles, as well as natural stone on all rigid subfloors e.g. concrete, cement screeds etc. Joint width 4-12 mm.
- Not suitable as acid- and heat-resistant grouting material on sinks, laboratory tables and industrial floors which will be affected by chemicals.
- For these applications we recommend 716 Eurodur HP or 703 Spout Epoxy.

### PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	add 25 kg 692 Jointing Cement to approx. 5 litres of water.
Curing	Depending on the temperature and subfloor, the hardening to a low-tension joint takes place in 1 to 2 days through drying and hydraulic bonding. During the curing of the joint, the temperature must remain above 5 °C during the day and at night.

692 VOEGENBREED

<b>Processing time</b>	At a temperature of approx. 20 °C, applied the mixture within 2 hours. Higher temperatures will abbreviate the working time, lower temperatures will lengthen the working time.
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mixture into the joints.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° C to 25 °C (temperature of the surrounding as well as the subfloor). Low temperatures slow down the setting.

\* 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:

- For an optimal grouting of the tiles, the joints must be free from adhesive and/or mortar residues and the substrate and the adhesive or mortar must be sufficiently dry at the time of grouting.
- Tiles fixed with adhesive can be grouted after approx. 24 hours. Floor tiles fixed in the mortar can be grouted immediately. Following these regulations, drying of the joints will take place equally.
- For a good quality of the joint, the water/powder ratio is very important. Add 25 kg of 692 Jointing Cement to approx. 5 litres of cool and clean tap water and stir the mortar for approx. 1 minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture. After stirring wait for a few minutes and stir once again. This gains an optimal application and an extended potlife.
- Apply the mortar within 2 hours fully into the joints with a grouting trowel or wiper. Remove excess material immediately. Do not add extra water! Mixing without water is permitted.
- After grouting wait until the joint will turn somewhat dull. Depending on the circumstances (temperature, relative humidity, type of tile and subfloor) this takes place in 15 to 45 minutes. The joint should be sufficiently dry otherwise the joint will be washed out (Tip: when no mortar is left on your finger after touching the material with a fingertip, the joint is ready for sponging).
- Moisten the entire tile work with a rotating movement with a light moist sponge blade and wait for approx. 1 minute. Through this the residual cement haze can easily be removed from the tile work. When using a sponge bin and sponge blade, roll this thoroughly.
- Finish tight with the sponge, first sponge the tiles diagonal and next parallel to the joint. Make sure every joint is touched. Thereafter clean the tile work diagonal with a clean, light moist sponge.
- When dry use a clean and dry cloth for the finishing polish. For an optimal strength prevent accelerated drying of the mortar (through warmth, draught, high absorption etc.) by wetting the joints once or several times within 24 hours.
- After grouting wait at least 24 hours before walking on the floor.

## MAINTENANCE

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

#### Environment and health

- Environmental Product Declaration/Environmental Product Declaration EPD-DBC-20220217-IBF1-EN
- Low-dust with dust factor < 5% components with a particle size of < 2 µm (micrometer).

## ITEM DATA

Article	Definition	Packaging	EAN-code
692	Jointing Cement grey	25 kg bag	8 710345 010405

The 692 Jointing Cement is available in the next colour:

**692 VOEGENBREED**

Grey:



**692 VOEGENBREED**

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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](mailto:info.eurocol.de@forbo.com)

Eurocol is part of the Forbo Group





# eurocol 706

the strong connection



## EURO GROUT SPECIAL WT

Universal, fast-setting, flexible and waterproof joint material for grouting ceramic wall and floor tiles, natural stone and glass mosaic. Joint width of 2 - 10 mm. Applicable to almost all well-built constructions such as cement and plaster-like surfaces, sheet material, floor and wall heating in indoor and outdoor applications. Thanks to EMICODE EC 1PLUS (very low emissions) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Cement-based powder with additives and a high synthetic binder to be mixed with water.
Color	White, grey, manhattan-grey, silver-grey, anthracite, jasmin, buxy, grey-brown, basalt-grey and beige. Due to contamination, we do not recommend light-colored joints for floors and outdoor situations.
Consistency	After mixing, the mortar makes a smooth, lump-free joint grout.

- Emicode EC 1PLUS
- Very low emission
- Watertight
- Flexible
- Fast drying
- Dust reduced
- For in- and outdoor use
- For wall and floor tiles
- Suitable for almost all subfloors
- Joint width from 2 to 10 mm

### PROPERTIES

Classification	Complies with CG2W A, according to NEN-EN 13888. Improved cement-based grouting cement with a reduced water absorption and increased wear resistance. EMICODE EC 1PLUS tested conform to EN 13999-2/4. Suitable for BREEAM-projects.
Colour palette	The colour on the packaging, color sticks and colour key is an indication! The prepared mortar can have an other colour. In doubt always make a test. Since at the same time a number of factors may affect adversely the colour, Forbo Eurocol takes no responsibility for colour deviations. When using several packaging always use the same charge number.
Cleaning resistance	706 Euro Grout Special WT is resistant against domestic cleaners with a pH-value of 7 or higher.
Consumption	600-2.500 g/m <sup>2</sup> , depending on the size of the tile, joint width and depth. The following formula will enable you to calculate the required quantity of grouting cement per m <sup>2</sup> : joint width (mm) x joint depth (mm) x joint length per m <sup>2</sup> (m <sup>1</sup> ) x specific weight (1.7) x extra expenditure factor (1.5) = .....g/m <sup>2</sup> .

### APPLICATION

- Multi-purpose, fast drying grouting cement for the flexible and watertight grouting of ceramic wall and floor tiles, as well as natural stone and glass-mosaic in a joint width of maximum 2-10 mm, on almost all well-built constructions such as cement and plaster-like surfaces, sheet materials, underfloor and wall heating, etc.

706 SPECIAALVOEG WD

- Not suitable as an acid- and heat-resistant grouting material.
- For these applications we recommend 716 Eurodur HP or 703 Adhesive and Spout Epoxy.

## PROCESSING

<b>Storage</b>	Store cool and dry in unopened packaging.
<b>Mixing ratio</b>	Add 23 kg 706 Euro Grout Special WT to approx. 4.5 litres of water. 4 kg 706 Euro Grout Special WT to approx. 0.8 litre of water.
<b>Curing</b>	Depending on the temperature and subfloor, the hardening to a low tension and somewhat flexible joint takes place within 1-2 hours (colours grey buxy, basalt-grey, grey-brown and anthracite). Other colours will bond in 6-8 hours. The floors are then passable. During the curing of the joint, the temperature must remain above 5 °C during the day and at night.
<b>Processing time</b>	At a temperature of approx. 20° C apply the mixed grouting cement within 60 minutes. Higher temperatures will abbreviate the working time. Apply the dark colours within 35 minutes.
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mixture into the joints.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25° C (temperature of the surrounding as well as the subfloor). Low temperatures slow down the setting.

*\* 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:

- For an optimal final result the joints must be free from adhesive and/or mortar residues. When grouting the subfloor, adhesive or mortar should be sufficiently dry.
- Remains of the grout product can adhere to porous or matt tiles and plates. Test joints are therefore necessary on these tiles.
- Tiles fixed with adhesive can be grouted after approx. 24-48 hours. Wall tiles fixed in the mortar can be grouted after minimum 4 days. Floor tiles fixed in the mortar can be grouted immediately. Following these regulations, drying of the joints will take place equally.
- For a good quality of the joint the water/powder ratio is very important. Add 23 kg 706 Euro Grout Special WT to approx. 4.5 litres of cool and clean tap water and stir the mortar for approx. 1 minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogenous mixture. After stirring wait for a few minutes and stir once again. This gains an optimal application and an extended potlife.
- Apply the mortar within 60 minutes fully into the joints with a grouting trowel. Remove excess material immediately. Do not add extra water! Mixing without water is permitted.
- After grouting wait until the joint will turn somewhat dull. Depending on the circumstances (temperature, relative humidity, type of tile and subfloor) this takes place in 15 to 45 minutes. The joint should be sufficiently dry otherwise the joint will be washed out (Tip: when no mortar is left on your finger after touching the material with a fingertip, the joint is ready for sponging).
- Moisten the entire tile work with a rotating movement with a light moist sponge blade and wait for approx. 1 minute. Through this the residual cement haze can easily be removed from the tile work. When using a sponge bin and sponge blade, roll this thoroughly.
- Finish tight with the sponge, first sponge the tiles diagonal and next parallel to the joint. Make sure every joint is touched. Thereafter clean the tile work diagonal with a clean, light moist sponge.
- When dry use a clean and dry cloth for the finishing polish. For an optimal strength prevent accelerated drying of the mortar (through warmth, draught, high absorption etc.) by wetting the joints once or several times within 24 hours.
- After grouting wait at least 24 hours before walking on the floor. Tile floor with a rigid subfloor which have been grouted with 706 Euro Grout Special WT dark colours are passable after 4 hours.

## MAINTENANCE

### Taking care of the grouting:

For cleaning grouts and to remove any mould use a mould removal product. These products have a chlorine/bleach base and are especially suitable for the use concerned. Cleaning products with a chlorine/bleach base have a pH value of 7 (neutral) or more. These products will not harm the grouting. Some cleaning products, such as green soap, always leave a greasy film to which dirt can easily adhere. These products are also not suitable.

### Removing limescale:

Limescale can form on tiles and on the surface of sanitary fittings in regions where the tap water is hard. Almost all limescale removal products are acidic products and have a pH value which is too low. These products will harm cement-bound grouting every time it is cleaned. Even when diluted, the pH value of these products is still too low. The level of a liquid's acidity is indicated by a pH value of between 0 - 14. Liquids with a neutral level of acidity (such as tap water) have a pH value of 7. Contact the manufacturer if the pH value of the cleaning product is not stated on the packaging.

Forbo Eurocol Nederland B.V. recommends the following when cleaning tiles:

**706 SPECIAALVOEG WD**

- Only use a cleaning product in the places where limescale and other dirt is visible on the tiles and the grouting. Wet the tiles and the grouting thoroughly before applying the cleaning product. The cleaning product will then not penetrate so deeply into the grouting.
- Rub the tiles clean, preferably using a non-acidic cleaning product. Work according the guidelines of the manufacturer!
- After cleaning the tiles, rinse them thoroughly with tap water and dry them with a cloth.

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

### Environment and health

- Environmental Product Declaration/Environmental Product Declaration EPD-NIBE-20210224-17687verified by SGS Search / Intron.
- Low dust with dust factor < 5% components with a particle size of < 2 µm (micrometer).
- Tested for emissions of volatile organic compounds and has tested EMICODE EC 1PLUS in accordance with EN 13999-2/4.
- Meets the criteria of BREEAM-NL HEA 9 Volatile Organic Compounds; promoting healthy and good indoor air quality because the construction and finishing materials used cause low emissions of harmful volatile organic compounds and other harmful substances. Suitable for BREEAM new construction and renovation.

## ITEM DATA

Article	Definition	Packaging	EAN-code	Min. order
706	Euro Grout Special WT	23 kg bag		
	white		8 710345 706025	
	grey		8 710345 706018	
	Manhattan grey		8 710345 706070	
	silver grey		8 710345 706605	
706	Euro Grout Special WT	5x4 kg box		
	white		8 710345 706131	
	grey		8 710345 706117	
	basalt-grey		8 710345 706674	
	grey-brown		8 710345 706698	
	Manhattan grey		8 710345 706575	
	silver-grey		8 710345 706699	
	anthracite		8 710345 706155	
	Jasmin		8 710345 706551	
	beige		8 710345 706179	
	Buxy		8 710345 000193	
706	Euro Grout Special WT	4 kg box		5 pieces
	white		8 710345 009124	
	grey		8 710345 009100	
	basalt-grey		8 710345 706667	
	grey-brown		8 710345 706661	
	Manhattan grey		8 710345 706568	
	silver-grey		8 710345 706582	

### 706 SPECIAALVOEGWD

anthracite	8 710345 706148
Jasmin	8 710345 706544
beige	8 710345 706162
Buxy	8 710345 706186

The 706 Euro grout special WT is available in the next colours:

White:



Silver-grey:



Manhattan-grey:



Grey:



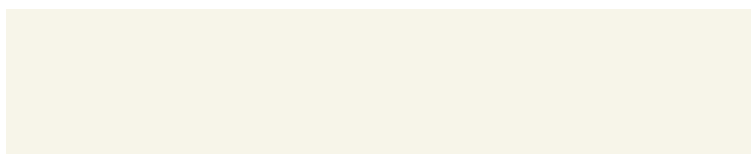
Basalt-grey:



Anthracite:



Jasmin:



Beige:

#### **706 SPECIAALVOEG WD**



Buxy:



Grey-brown:



**706 SPECIAALVOEG WD**

# eurocol 716

the strong connection



## EURODUR HP

Very strong cement-based grouting cement with a high chemical resistance with increased wear resistance and chemical resistance for grouting ceramic floor tiles in wall and floor applications, dark-colored natural stone and mosaic. Joint width of 2 - 10 mm. Applicable to almost all well-constructed constructions, such as cement and plaster-like surfaces, sheet material, floor and wall heating in indoor and outdoor applications.

### PRODUCT TYPING

Base	Cement-based powder with special additives and a high synthetic binder content to be mixed with water.
Color	Grey.
Consistency	After mixing a smooth and homogeneous mixture.

- A very high chemical resistance in comparison with the standard cement-based grouts
- Very wear proof
- High bending and compression strength
- Frost and moisture-resistant
- Suitable for high pressure cleaning
- For in- and outdoor use
- For floor tiles in wall and floor applications
- Suitable for almost all subfloors
- Joint width from 2 to 10 mm

### PROPERTIES

Classification	Complies with CG2W A according to NEN-EN 13888.
Cleaning resistance	716 Eurodur HP is resistant against domestic cleaners with a pH-value of 7 or higher.
Consumption	600-2.500 g/m <sup>2</sup> , depending on the size of the tile, joint width and depth. The following formula will enable you to calculate the required quantity of grouting cement per m <sup>2</sup> :  $\text{joint width (mm)} \times \text{joint depth (mm)} \times \text{joint length per m}^2 \text{ (m)} \times \text{specific weight (1.7)} \times \text{extra expenditure factor (1.5)} = \dots\dots\dots \text{g/m}^2$
Resistance	Compare with the collection of other cement-based grouts 716 Eurodur HP has a high chemical resistance. The product is test and resistant against bases < 10% conc., weak acids < 2%, solvents (limited ethyl acetate) and oils.

### APPLICATION

- Cement-based grouting cement for jointing ceramic floor tiles, natural stone and mosaic where high demands towards the wear and chemical resistance are required. Joint width of 2 to 10 mm. Suitable on almost all stony and gypsum-based subfloors as well as sheet material.
- Applicable in wet areas, professional kitchens, swimming pools, various industrial applications, balconies and terraces.
- Resistant against high pressure purification up to 100 bar.

716 EURODUR HP

- Suitable for underfloor heating systems.
- If there are stricter requirements in terms of acid and heat resistance of the grouting material, use 703 Adhesive and Joint epoxy.

## PROCESSING

<b>Storage</b>	Store cool and dry in unopened packaging.
<b>Mixing ratio</b>	Add 25 kg 716 Eurodur HP to approx. 5.0 (wall) and 5.5 (floor) litres of water.
<b>Curing</b>	Depending on the temperature and subfloor, the hardening to a low tension and somewhat flexible joint takes place within 1-2 days. After approx. 7 days chemical resistant. During the curing of the joint, the temperature must remain above 5 °C during the day and at night.
<b>Processing time</b>	At a temperature of approx. 20 °C apply the mixed grouting cement within 30 minutes. Higher temperatures will abbreviate the working time, lower temperatures will lengthen this.
<b>Waiting time</b>	After mixing with water wait a few minutes, stir once again and apply the mixture into the joints.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor). Low temperatures slow down the setting.

*\* 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:

- For an optimal final result the joints must be free from adhesive and/or mortar residues. When grouting the subfloor, adhesive or mortar should be sufficiently dry.
- Tiles fixed with adhesive can be grouted after 24 hours. Floor tiles fixed in the mortar can be grouted immediately. Following these regulations drying of the joints will take place equally.
- For a good quality of the joint the water/powder mixing ratio is very important. Add 25 kg of 716 Eurodur HP to approx. 5 litres (wall) and 5,5 litres (floor) of cool and clean tap water and stir the mortar for approx. 2 minutes, by using an electric stirrer (approx. 600 rpm), to a smooth and homogeneous mixture. After stirring wait for a few minutes and stir once again. This gains an optimal application and an extended potlife.
- Apply the mortar within 30 minutes fully into the joints with a grouting trowel. Remove excess material immediately. Do not add extra water to the bonding mortar. Remixing without adding water is permitted.
- After grouting wait until the grout will turn somewhat dull. Depending on the circumstances (temperature, relative humidity and subfloor) this will take place after 5 to 45 minutes. Clean tiles with a clean and moist sponge. The joint should be sufficiently dry otherwise the joint will be washed out. (Tip: When no mortar is left on your finger after touching the material with a fingertip, the joint is ready for sponging).
- If in doubt about cleaning the tiles and adhesion of the grouting material on e.g. strong profiled or non-skid tiles make a test.
- Moisten the entire tile work with a rotating movement with a light moist sponge or sponge float and wait for approx. 1 minute. Through this the residual cement haze can easily be removed from the tile work. When using a sponge bucket and sponge float roll these thoroughly dry.
- Thereafter finish tight with sponge. Make sure all joints are touched. Thereafter clean the tile work in a diagonal direction with a clean and light moist sponge.
- When dry use a clean and dry cloth for the finishing polish. For an optimal strength prevent accelerated drying of the mortar (through warmth, draught, high absorption etc.) by wetting the joints once or several times within 24 hours.
- After grouting wait 3 - 4 hours before walking on the floor. After 24 hours the tile work is fully accessible.

## MAINTENANCE

### Taking care of the grouting:

For cleaning grouts and to remove any mould use a mould removal product. These products have a chlorine/bleach base and are especially suitable for the use concerned. Cleaning products with a chlorine/bleach base have a pH value of 7 (neutral) or more. These products will not harm the grouting. Some cleaning products, such as green soap, always leave a greasy film to which dirt can easily adhere. These products are also not suitable.

### Removing limescale:

Limescale can form on tiles and on the surface of sanitary fittings in regions where the tap water is hard. Almost all limescale removal products are acidic products and have a pH value which is too low. These products will harm cement-bound grouting every time it is cleaned. Even when diluted, the pH value of these products is still too low. The level of a liquid's acidity is indicated by a pH value of between 0 - 14. Liquids with a neutral level of acidity (such as tap water) have a pH value of 7. Contact the manufacturer if the pH value of the cleaning product is not stated on the packaging.

### Forbo Eurocol Nederland B.V. recommends the following when cleaning tiles:

- Only use a cleaning product in the places where limescale and other dirt is visible on the tiles and the grouting. Wet the tiles and the

**716EURODURHP**

grouting thoroughly before applying the cleaning product. The cleaning product will then not penetrate so deeply into the grouting.

- Rub the tiles clean, preferably using a non-acidic cleaning product. Work according the guidelines of the manufacturer!
- After cleaning the tiles, rinse them thoroughly with tap water and dry them with a cloth.

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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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](http://www.eurocol.nl).

### Environment and health

- Environmental Product Declaration/Environmental Product Declaration EPD-DBC-20220217-IBF1-EN
- Low-dust with dust factor < 5% components with a particle size of < 2 µm (micrometer).

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
716	Eurodur HP	25 kg bag	
	grey		8 710345 716253

The 716 Eurodur HP is available in the colour:

grey:



### 716EURODURHP



# eurocol 717

the strong connection



## EUROFINE WT

Universal, flexible and waterproof grout material with a fine structure for grouting ceramic wall and floor tiles, natural stone and glass mosaic. In a joint width of 2 - 10 mm. Applicable to almost all well-constructed constructions, such as cement and plaster-like surfaces, sheet material, floor and wall heating in indoor and outdoor applications. Very suitable choice in combination with tile leveling systems (TLS). Thanks to EMICODE EC 1PLUS (very low emissions) also suitable for BREEAM projects.

### PRODUCT TYPING

Base	Cement-powder with additives and a high synthetic binder content, to be mixed with water.
Color	White, créme, manhattan-grey, silver-grey, jasmin, beige, buxy, grey, rRstic, Elegant, Vintage, Lightgrey, Graphite. and anthracite. Due to contamination, we do not recommend light-colored joints for floors and outdoor situations.
Consistency	After mixing a smooth and homogeneous mixture.

- Emicode EC 1PLUS
- Very low emission
- Watertight
- Flexible
- Gains a fine structured joint
- Very suitable choice in combination with tile leveling systems (TLS)
- For in- and outdoor use
- For wall and floor tiles
- Suitable for almost all subfloors
- Joint width from 2 to 10 mm

### PROPERTIES

Classification	Complies with CG2W Ar according to NEN EN 13888. Improved cement-based grouting cement with a reduced water absorption and increased wear resistance. GEV EMICODE EC 1PLUS (very low emissions) tested in accordance with EN 13999-2/4. Suitable for BREEAM-projects.
Colour palette	The colour on the packaging, color sticks and colour key is an indication! The prepared mortar can have an other colour. In doubt always make a test. Since at the same time a number of factors may affect adversely the colour, Forbo Eurocol takes no responsibility for colour deviations. When using several packaging always use the same charge number.
Cleaning resistance	717 Eurofine WT is resistant against domestic cleaners with a pH-value of 7 or higher.
Consumption	600-2.500 g/m <sup>2</sup> , depending on the size of the tile, joint width and depth. The following formula will enable you to calculate the required quantity of grouting cement per m <sup>2</sup> : joint width (mm) x joint depth (mm) x joint length per m <sup>2</sup> (m) x specific weight (1.7) x extra expenditure factor (1.5) = .....g/m <sup>2</sup> .

### APPLICATION

717 EUROFINEWD

- Multi-purpose grouting cement for the flexible and watertight jointing of ceramic wall and floor tiles, as well as natural stone and glass mosaics in a joint width to 2-10 mm, on almost all subfloors, e.g. sheet material, gypsum-based subfloors, underfloor and wall heating etc.
- Not suitable as an acid- and heat-resistant grouting material.
- For these applications and when wooden floors are directly affected by shower water, we recommend 716 Eurodur HP or 703 adhesive and spout Epoxy.

## PROCESSING

<b>Storage</b>	Store cool and dry in unopened packaging.
<b>Mixing ratio</b>	4 kg 717 Eurofine WT in approx. 0.8 – 1 liter of water.
<b>Curing</b>	Depending on the temperature and subfloor, the hardening to a low tension and somewhat flexible joint takes place within 1-2 days. During the curing of the joint, the temperature must remain above 5 °C during the day and at night.
<b>Processing time</b>	At a temperature of approx. 20 °C apply the mixed grouting cement within 60 minutes. Higher temperatures will abbreviate the working time. Lower temperatures will lengthen this. Process dark colors within 35 minutes.
<b>Waiting time</b>	After mixing with water wait for a few minutes, stir once again and apply the mixture into the joints.
<b>Shelf Life</b>	12 Months, in unopened packaging. After use close the open packaging well.
<b>Application temperature</b>	From 5° to 25 °C (temperature of the surrounding as well as the subfloor). Low temperatures slow down the setting.

*\* 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:

- For an optimal grouting of the tiles, the joints must be free from adhesive and/or mortar residues. In order to avoid discoloration of the joint as much as possible, the subfloor e.g. mortar or adhesive must be sufficiently dry when grouting takes place.
- Remains of the grout product can adhere to porous or matt tiles and plates. Test joints are therefore necessary on these tiles
- Tiles fixed with adhesive can be grouted after approx. 24-48 hours. Wall tiles fixed in the mortar can be grouted after minimum 4 days. Floor tiles fixed in the mortar can be grouted immediately. Following these regulations, drying of the joints will take place equally.
- For a good quality of the joint the water/powder ratio is very important. Add 4 kg 717 Eurofine WT to approx. 0.8 - 1 litres of cool and clean tap water and stir the mortar for approx. 1 minute, by using an electric stirrer (approx. 600 rpm), to a smooth and homogenous mixture. After stirring wait for a few minutes and stir once again. This gains an optimal application and an extended potlife.
- Apply the mortar within 60 minutes fully into the joints with a grouting trowel. Remove excess material immediately. Do not add extra water! Mixing without water is permitted.
- After grouting wait until the joint will turn somewhat dull. Depending on the circumstances (temperature, relative humidity, type of tile and subfloor) this takes place in 15 to 45 minutes. The joint should be sufficiently dry otherwise the joint will be washed out (Tip: when no mortar is left on your finger after touching the material with a fingertip, the joint is ready for sponging).
- If you have any doubts about the cleaning of the tile or the adhesion of the grout on, for example, strongly profiled or anti-slip tiles, first conduct a test.
- Moisten the entire tile work with a rotating movement with a light moist sponge blade and wait for approx. 1 minute. Through this the residual cement haze can easily be removed from the tile work. When using a sponge bin and sponge blade, roll this thoroughly.
- Finish tight with the sponge, first sponge the tiles diagonal and next parallel to the joint. Make sure every joint is touched. Thereafter clean the tile work diagonal with a clean, light moist sponge.
- When dry use a clean and dry cloth for the finishing polish. For an optimal strength prevent accelerated drying of the mortar (through warmth, draught, high absorption etc.) by wetting the joints once or several times within 24 hours.
- After grouting wait at least 24 hours before walking on the floor.

## MAINTENANCE

### Taking care of the grouting:

For cleaning grouts and to remove any mould use a mould removal product. These products have a chlorine/bleach base and are especially suitable for the use concerned. Cleaning products with a chlorine/bleach base have a pH value of 7 (neutral) or more. These products will not harm the grouting. Some cleaning products, such as green soap, always leave a greasy film to which dirt can easily adhere. These products are also not suitable.

### Removing limescale:

Limescale can form on tiles and on the surface of sanitary fittings in regions where the tap water is hard. Almost all limescale removal products are acidic products and have a pH value which is too low. These products will harm cement-bound grouting every time it is cleaned. Even when diluted, the pH value of these products is still too low. The level of a liquid's acidity is indicated by a pH value of

**717 EUROFINEWD**

between 0 - 14. Liquids with a neutral level of acidity (such as tap water) have a pH value of 7. Contact the manufacturer if the pH value of the cleaning product is not stated on the packaging.

Forbo Eurocol Nederland B.V. recommends the following when cleaning tiles:

- Only use a cleaning product in the places where limescale and other dirt is visible on the tiles and the grouting. Wet the tiles and the grouting thoroughly before applying the cleaning product. The cleaning product will then not penetrate so deeply into the grouting.
- Rub the tiles clean, preferably using a non-acidic cleaning product. Work according the guidelines of the manufacturer!
- After cleaning the tiles, rinse them thoroughly with tap water and dry them with a cloth.

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

### Environment and health

- Environmental Product Declaration/Environmental Product Declaration EPD-DBC-20220217-IBF1-EN.
- Tested for emissions of volatile organic compounds and has tested EMICODE EC 1PLUS in accordance with EN 13999-2/4.
- Meets the criteria of BREEAM-NL HEA 9 Volatile Organic Compounds; promoting healthy and good indoor air quality because the construction and finishing materials used cause low emissions of harmful volatile organic compounds and other harmful substances. Suitable for BREEAM new construction and renovation.

## ITEM DATA

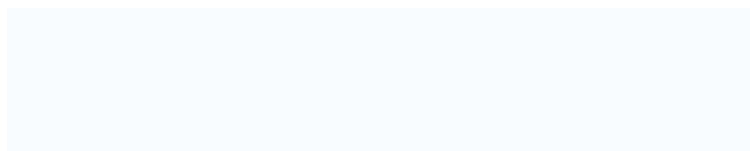
Article	Definition	Packaging	EAN-code	Min. order
717	Eurofine WT	5x4 kg box		
	grey		8 710345 717175	
	white		8 710345 717199	
	Manhattan grey		8 710345 717854	
	silver grey		8 710345 717678	
	beige		8 710345 717298	
	Jasmin		8 710345 717755	
	anthracite		8 710345 717274	
	Buxy		8 710345 717472	
	cream		8 710345 717496	
	Vintage		8 710345 717953	
	Lightgrey		8 710345 717977	
	Rustic		8 710345 717892	
	Elegant		8 710345 717939	
	Graphite		8 710345 717991	
717	Eurofine WT	4 kg box		5 pieces
	grey		8 710345 717168	
	white		8 710345 717182	
	Manhattan grey		8 710345 717847	
	silver grey		8 710345 717861	

**717 EUROFINEWD**

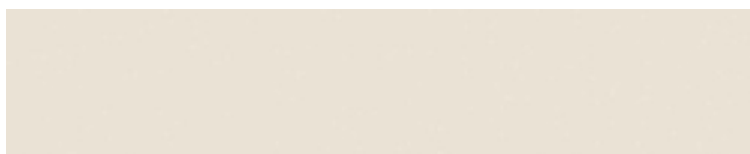
beige	8 710345 717281
Jasmin	8 710345 717748
anthracite	8 710345 717267
Buxy	8 710345 717465
cream	8 710345 717489
Vintage	8 710345 717946
Lightgrey	8 710345 717960
Rustic	8 710345 717885
Elegant	8 710345 717922
Graphite	8 710345 717984

The 717 Eurofine WT is available in the colours:

White:



Cream:



Silver grey:



Manhattan grey:



Grey:



Anthracite:

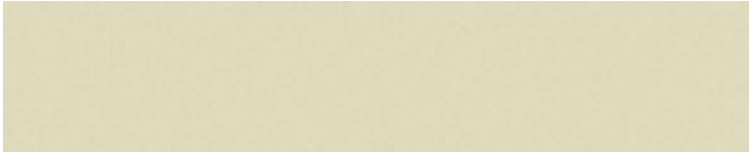


Jasmin:

## 717 EUROFINEWD



Beige:



Buxy:



Elegant:



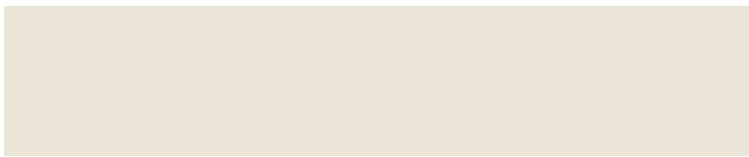
Rustic:



Lightgrey:



Vintage:



Graphite:



**717 EUROFINEWD**

# eurocol 703

the strong connection



## ADHESIVE AND SPOUT EPOXY

2-component, sprayable epoxy-based adhesive and joint material for waterproof, acid- and heat-resistant grouting of ceramic floor and wall tiles and glass mosaic. Maximum joint width 12 mm. Applicable to almost all well-constructed wall and floor constructions, such as cement and plaster-like surfaces, sheet material, floor and wall heating constructions in indoor and outdoor applications.

### PRODUCT TYPING

Base	Epoxy-based 2-component grouting material, containing a resin component and a liquid hardener.
Color	Grey, silver-grey, anthracite and off-white. Other colours available on request.
Consistency	After mixing of the resin and hardener components a thick liquid.

- Applicable with spray
- Acid- and heat-resistant
- Watertight
- For in- and outdoor use
- Suitable for almost all subfloors
- Joint width from 1.5-12 mm
- High final bond strength

### PROPERTIES

Classification	Complies with RG according to NEN EN 13888 and R2T according to NEN EN 12004-2:2017.
Cleaning resistance	703 Adhesive and Spout Epoxy does not deteriorate with age. Ageing refers to the epoxy-system and not to the colour and/or glow.
Consumption	Depending on the size of the tile, joint width and depth. The following formula will enable you to calculate the required quantity of grouting cement per m <sup>2</sup> :  $\text{joint width (mm)} \times \text{joint depth (mm)} \times \text{joint length per m}^2 \text{ (m)} \times \text{specific weight (1.6)} \times \text{extra expenditure factor (1.2)} = \dots\dots\dots \text{g/m}^2$
Flammability	Non-flammable.
Resistance	<u>Chemical resistance list:</u>

1,1,1-trichloroethane	+ Glacial acetic acid	-
1,2-propylene glycol	+ Glycerine	+
Acetaldehyde	0 Glycol	+
Acetic acid < 5%	+ Hydraulic oil	+
Acetic acid < 10%	+ Hydrogen peroxide < 30%	+

703 LIJM- EN VOEGEPOXY

Acetone	0	Iron sulphate < 30%	+
All-purpose cleaner	+	Isopropyl acetate	0
Aluminium chloride < 10%	+	Isopropyl alcohol	+
Aluminium sulphate < 40%	+	Lactic acid < 5%	+
Ammonia	+	Lactic acid < 10%	+
Ammonium carbonate < 10%	+	Lactic acid < 20%	+
Ammonium carbonate < 50%	+	Lemonade	+
Ammonium chloride	+	Magnesium chloride < 35%	+
Ammonium nitrate < 50%	+	Methanol	+
Ammonium sulphate < 50%	+	Methylene chloride	-
Amyl acetate	0	Methyl ethyl ketone	0
Barium chloride < 10%	+	Methyl glycol acetate	0
Barium chloride < 40%	+	Methyl isobutyl ketone	0
Battery acid	+	N-hexane	+
Beer	+	Nitric acid < 10%	+
Benzaldehyde	0	Nitric acid < 20%	+
Benzene	0	Nitric acid < 50%	-
Bleach (15% chlorine)	+	Oleic acid	+
Boron acid < 3%	+	Oxalic acid, 10% in water	+
Butyl acetate	0	Paraffin oil	+
Butyldiglycol	+	Perchloroethylene	+
Butylglycol	+	Petrol	+
Calcium chloride < 20%	+	Petroleum ether	+
Calcium chloride < 40%	+	Phenol, 1% in water	+
Calcium hydroxide < 20%	+	Phenol, 20% in water	-
Calcium nitrate < 50%	+	Phosphoric acid < 30%	+
Carbonated water	+	Pivot oil	+
Caustic soda	+	Potassium carbonate < 20%	+
Chlorous water	+	Potassium dichromate	+
Chloroform	-	Potassium hydroxide conc.	+
Chromic acid < 10%	+	Potassium permanganate < 5%	+
Citric acid < 20%	+	Potassium persulfate < 50%	+
Cola	+	Propyl alcohol	+
Concrete aggressive water (pH 12)	+	Sanitary cleaner	+
Copper sulphate < 15%	+	Silicon oil	+
Cresol, 60% in water	-	Silver nitrate < 1%	+
Cyclohexane	+	Sodium acetate < 20%	+
Cyclohexanone	0	Sodium carbonate < 18%	+
Di(2-ethylhexyl)phthalate	+	Sodium chloride sated	+
Dibutyl phthalate	+	Sodium sulphate < 20%	+
Diesel oil	+	Sodium sulphate sated	+
Diglycol	+	Spirit	+
Dimethylformamide	-	Sugar solution < 10%	+

#### 703 LIJM- EN VOEGEPOXY

Dimethyl phthalate	+ Sulphuric acid < 30%	+
Dimethyl glycol phthalate	+ Sulphuric acid < 50%	+
Dioctylphthalate	+ Sulphuric acid < 70%	+
Dioxane	+ Sulphuric acid < 98%	-
Disinfectant AP3	+ Test petrol	+
Engine oil	+ Tetrachlorohydrocarbon	0
Ethanol	+ Tetrahydrofuran	-
Ether	0 Trichloroethylene	+
Ethyl acetate	0 Triethanolamine	+
Ethylene chloride	0 Triisobutylene	+
Ethylene diglycol	+ Toluene	0
Fatty acid at < 50° C	0 Turpentine oil	+
Fuel oil, light	+ Vegetable oil	+
Formalin	+ Wine	+
Formic acid < 3%	+ Wine acid < 10%	+
Formic acid < 5%	+ Xylene	0
Formic acid < 10%	0 Zinc chloride < 50%	+
Furfural	+ Zinc tetrachloride < 20%	+

#### Explanations of signs:

+ resistant

0 limited resistant max. 24 hours

- non-resistant

Resistance refers to the epoxy system and not to colour and/or glow.

Specific weight

1.6 kg/l.

#### 703 LIJM- EN VOEGEPOXY



## APPLICATION

- For the acid- and heat-resistant grouting of ceramic floor and wall tiles on sinks, laboratory tables, industrial floors that will be affected by chemicals etc.
- Also very suitable for extreme moist areas, e.g. sanitary areas, professional kitchens and swimming pools.
- Also suitable as thin bed adhesive for wall and floor applications.
- 358 Toolcleaner can be used for removing epoxy veil and spots on ceramic wall and floortiles.

## PROCESSING

Storage	Store cool and dry in unopened packaging.
Mixing ratio	Mix the resin and hardener components completely together. Or 3 parts of resin to 1 part of hardener.
Curing	The drying time to a tension-free joint takes place in 16 hours through a chemical reaction. At 20 °C the material is completely chemical-proof after approx. 7 days.
Processing time	At a temperature of approx. 20 °C apply the mixed mortar within approx. 50 minutes. Higher temperatures will abbreviate the working time
Processing time	Lower temperatures will lengthen this.
Waiting time	None. Apply 703 Adhesive and Spout Epoxy immediately after mixing.
Shelf Life	12 Months, in unopened packaging. After use close the open packaging well.
Application temperature	From 15° to 30 °C (surrounding temperature). Temperature of the tile work < 10 °C. The most ideal working temperature of the material and surrounding is 20 °C. In case of lower surrounding temperatures acclimatise the material before application. In case of higher surrounding temperatures it is recommended to cool the material in a water bath.

*\* 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:

#### Directions for use grouts:

- The joints should be clean, dry and free from grease and dust.
- Follow the directions by "working temperature" of the "technical facts". Do not grout on subfloors that are strongly warmed through e.g. sunlight. The first two days after application the temperature may not drop under 12 °C.
- Grout the fixed tiles after approx. 24 hours. Tiles fixed with a sand/cement mortar can be grouted after minimum 3 days (depending on the drying process of the mortar).
- Add component A and B completely together and mix for minimum 3 minutes with an electric stirrer to a smooth and homogenous mixture. If only part of the packaging is to be used, add approx. 3 parts of resin to 1 part of hardener. Take care that insufficient mixing can cause permanent sticky parts in the joint, which will not bond completely. In case of wall applications add 1 bag of consistency adjuster before mixing.
- Apply the mixture immediately with a rubber spatula or spout into the joints. Remove excess material immediately in diagonal direction.
- After removing the excess material, emulsify grouting residues with as little water as possible, with an epoxy cleaning sponge and warm water. Thereafter clean tiles with a viscose sponge. Wait with cleaning until the joints have dried. Waiting time is 1-5 hours, depending on temperature and relative humidity. Especially clean anti-skid and non-glazed tiles completely before hardening.
- Remove any present epoxy veil on glazed tiles within 6 hours after application by cleaning with spirits. After curing, remove possible epoxy veil with 358 Toolcleaner.
- After grouting wait at least 16 hours before walking on the floor.

#### Directions for use thin bed adhesive:

- The surface must be clean, free of grease and dust, dry, pressure and tear resistant, in accordance with the requirements, as stated in DIN 18 532.
- Properly observe the instructions regarding the processing temperature of the technical properties. Do not apply adhesive to substrates that become very hot e.g. through solar radiation. The first two days after application the temperature may not drop below 12 °C.
- Slightly sanding screeds must be primed using 021 Euroblock Reno.
- Add all the resin and hardener components together and mix the paste with a spiral mixer for 3 to 4 minutes to a lump free, homogeneous compound. Important: if the compound has not been mixed sufficient, sticky lumps will arise in the adhesive which will not bind entirely.
- Apply grooves with the trowel and place the tiles within 10-15 minutes in a sliding motion in the fresh bed of adhesive and press firmly. Always check that the back of the tiles is in contact with the adhesive entirely. Excess adhesive must be removed from the joints immediately.
- At a temperature of approx. 20 °C the tiles can be grouted after 1 to 2 days, depending on the circumstances.
- The mixed adhesive must be processed within 60 minutes.

### 703 LIJM- EN VOEGEPOXY

- After the adhesive has been applied, the floors cannot be walked on for at least 24 hours.

#### General:

- Clean tools immediately after use with warm water.
- You are advised to wear rubber gloves when processing the adhesive. Thoroughly wash with water and soap in the event of skin contact.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

## QUALITY AND GUARANTEE



## ENVIRONMENT AND HEALTH

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](http://www.eurocol.nl).

## ITEM DATA

Article	Definition	Packaging	EAN-code
703	Adhesive and Spout Epoxy	5 kg combi pack	
	grey		8 710345 703116
	silver-grey		8 710345 703215

## 703 LIJM- EN VOEGEPOXY

# 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 <sup>2</sup> .  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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> . Available on request.

## ITEM DATA

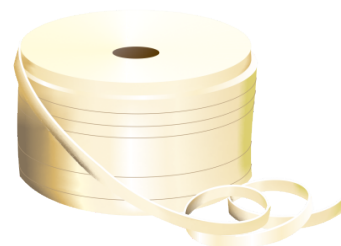
Article	Definition	Packaging	EAN-code	Min. order
014	Euroclean	10 kg jerry can	8 710345 014014	
014	Euroclean	Box of 12 bottles of 1 kg	8 710345 014205	
014	Euroclean	1 kg bottle	8 710345 014212	12 pieces

### 014 EUROCLEAN

# eurocol

# 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%.

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## ENVIRONMENT AND HEALTH

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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.

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
802	Eurostrip Basic	Carton of 1 roll of 25 m <sup>1</sup> .	8 710345 802017

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!

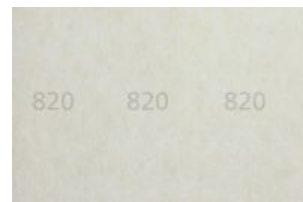
BG173114, Version 03, Stand 2018-11-20, ersetzt Ausgabe vom 2008-07-03.

### 802 EUROSTRIP BASIC

# 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 <sup>2</sup> .
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 <sup>2</sup> K/W.
Warmth conduction	0.11 W/mK.
Adhesion	Adhesion strength according to DIN 53 292: 0.34 N/mm <sup>2</sup> .
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.

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## ENVIRONMENT AND HEALTH

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Hazard Class                      None.

Safety and environment   Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
820	DIM Floor	Mat 70 x 100 cm	8 710345 828208

### 820 DIM FLOOR



# 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/m<sup>2</sup>).
- 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/m<sup>2</sup>).
- 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.

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## ENVIRONMENT AND HEALTH

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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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

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## ITEM DATA

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### Article Definition Packaging EAN-code

846 Quartsand 25 kg bag 8 710345 846011

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!

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](http://www.eurocol.nl).

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## ITEM DATA

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### 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 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 <sup>2</sup> 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 <sup>2</sup> .
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](http://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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

### 301 BASESEALER



Substances  
causing allergy

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

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## ITEM DATA

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### Article Definition Packaging EAN-code

301 BaseSealer 2.5 kg tin 8 710345 301008

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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 <sup>2</sup> 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 <a href="http://www.emicode.com">www.emicode.com</a></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.

#### **305 BETONDESIGN**

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/m<sup>2</sup>

310 FinishCoat : approx. 50 g/m<sup>2</sup>

301 BaseSealer : 100-150 g/m<sup>2</sup>

311 Topcoat : 50 – 75 g/m<sup>2</sup>

Contains benzisothiazolinone. May produce an allergic reaction

Tips to maintain your BetonDesign floor:

- For the cleaning and maintaining of BetonDesign floors we advise 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.

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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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.

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## ITEM DATA

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

### 305 BETONDESIGN

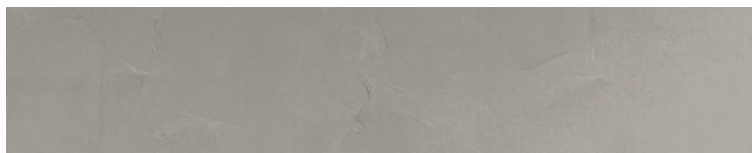
3054 platinum grey	8710345 003049
3055 telegrau 1	8710345 003056
3056 dusty grey	8701345 003063
30510 rust (special)	
30511 ash	8710345 305013
30512 stone grey	8710345 305020
30513 greige	8710345 305037
30514 olive	8710345 305044
30515 slate	8710345 305051
30516 warm white	8710345 305068

The 305 BetonDesign is available in the colours:

3053 signal grey:



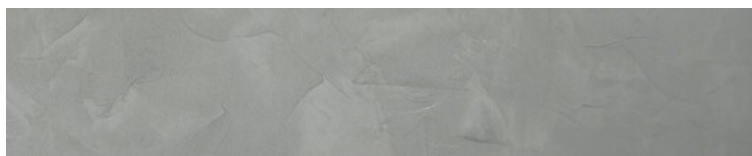
3054 platinum grey:



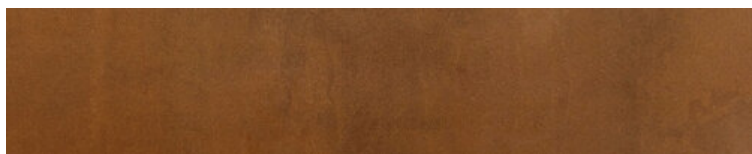
3055 telegrau 1:



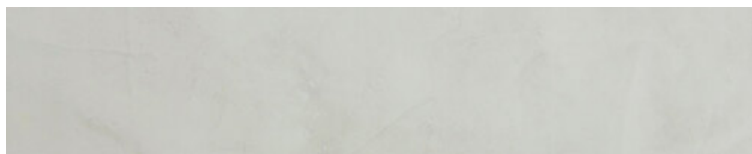
3056 dusty grey:



30510 rust (special):

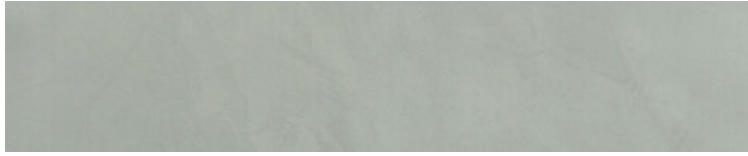


30511 ash:



### 305 BETONDESIGN

30512 stone grey:



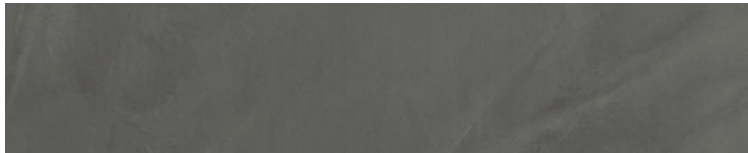
30513 greige:



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**

# eurocol

# 310

the strong connection



## 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 <sup>2</sup> 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**



# eurocol

# 311

the strong connection



## 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 <sup>2</sup> 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	<p>Observe the technical information and safety data sheets of any laying materials used!</p> <p>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.</p> <p>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.</p> <p>Please request separate information and care instructions. We recommend Eurocol care and cleaning agents.</p> <p>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.</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 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](http://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)

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .
Substances causing allergy	Hardener: Contains isocyanates. May produce an allergic reaction.

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## ITEM DATA

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

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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](http://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

# FLOOR **COLOURING**

the strong connection

# 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 <sup>2</sup> on impervious subfloors. 100 - 200 g/m <sup>2</sup> 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:

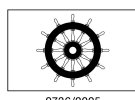
Intended surrounding temperature : 18 - 23 °C.

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



## 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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

## 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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#### **044 EUROPRIMER MULTI**

# 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](http://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.

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## ENVIRONMENT AND HEALTH

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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.

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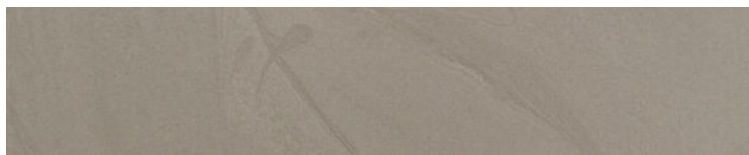
## ITEM DATA

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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):

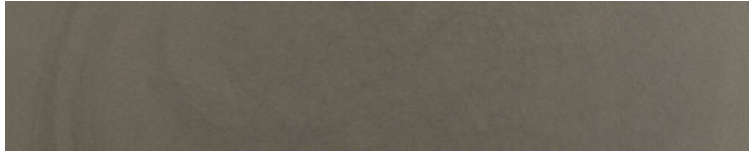
### 390 FLOORCOLOURING



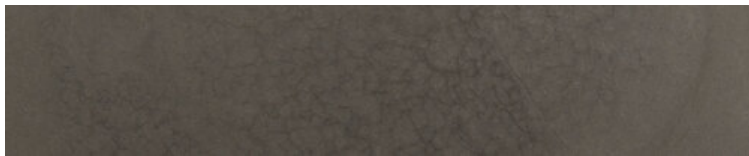
White (3 jars 390):



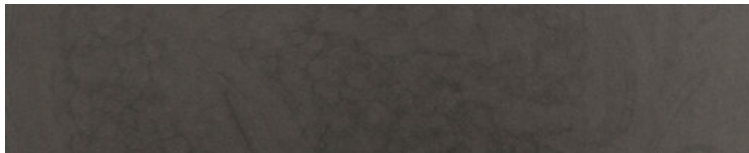
Soft Black (1 jar 390):



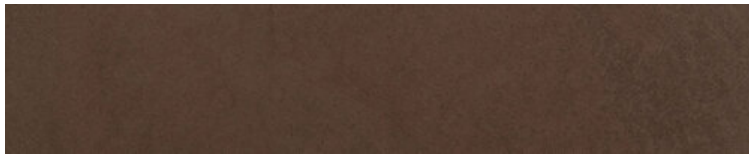
Soft Black (2 jars 390):



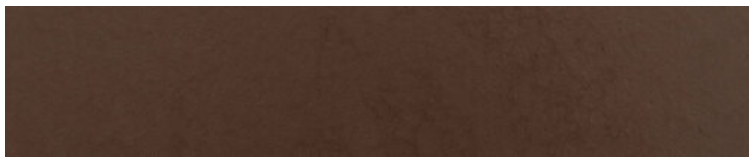
Soft Black (3 jars 390):



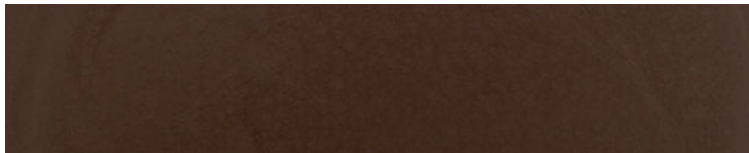
Brown (1 jar 390):



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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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](mailto:info.eurocol.de@forbo.com)

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 <sup>2</sup>
Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 11$ N/mm <sup>2</sup> .
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 $\geq 33$ N/mm <sup>2</sup> .
Consumption	Approx. 1.5 kg/m <sup>2</sup> 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.
-----------------	----------------

**990 EUROPLAN DIRECT**

<b>Storage</b>	Store cool and dry.
<b>Tools</b>	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
<b>Mixing ratio</b>	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.
<b>Processing time</b>	Use within 20 minutes after mixing.*
<b>Waiting time</b>	Approx 3 minutes.
<b>Drying</b>	24 hours.*
<b>Shelf Life</b>	9 months, in unopened packaging.
<b>Cleaner</b>	Water.
<b>Remarks</b>	<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><b>After application of levelling compound.</b></p> <ul style="list-style-type: none"> <li>Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost.</li> <li>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.</li> </ul> <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 <a href="http://www.emicode.com">www.emicode.com</a>. 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](http://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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .
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

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

**990 EUROPLAN DIRECT**





# 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 <sup>2</sup> .
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](http://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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

### 301 BASESEALER

Substances  
causing allergy

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

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## ITEM DATA

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### Article Definition Packaging EAN-code

301 BaseSealer 2.5 kg tin 8 710345 301008

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BG175282\_V04\_Stand 2023-01-31, ersetzt Ausgabe vom 2021-05-05

### 301 BASESEALER

# eurocol

# 311

the strong connection



## 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 <sup>2</sup> 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](http://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)

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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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 <a href="http://www.eurocol.nl">www.eurocol.nl</a> .
Substances causing allergy	Hardener: Contains isocyanates. May produce an allergic reaction.

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## ITEM DATA

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

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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](http://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