eurocol

the strong connection

8-11-2026

705

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^2, 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.

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

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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 strirring 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^2
Spreader 6x6 mm : Spreading capacity approx. 2.0 kg/m^2
Spreader 8x8 mm : Spreading capacity approx. 2.7 kg/m^2
Spreader 10x10 mm : Spreading capacity approx. 3.5 kg/m^2

QUALITY AND GUARANTEE

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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.

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

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