

# 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.

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<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).

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**ITEM DATA**

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

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