eurocol

the strong connection

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720

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^2, 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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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.
- 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.
- 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^2
Notched spreader 10x10 mm : Spreading capacity approx. 3.5 kg/m^2
Notched spreader 12x20 mm : Spreading capacity approx. 4 kg/m^2

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.

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

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

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