



1411 Technopur

Description

Two component, solvent-free polyurethane based multi-purpose adhesive.

Fields of Application

- Bonding of ceramic, granite ceramic on concrete, metal, fiber-cement, wood, plasterboard surfaces.
- Bonding of parquet.
- Bonding on floors over underfloor heating installations.
- Bonding of thin tiles (Kalesinterflex) reinforced with fiber mesh.
- Bonding of Kalekim Dilatation Tape.

Properties

- Solvent-free.
- Excellent flexibility.
- Perfect adherence.

Preparation of Substrates

- Substrates must be sound free from oil, grease, and sufficiently dry. Cementitious substrates must be cured. Use Tamirart or Mastar 10 in case of any loose and uneven substrates to get sound and flat surface.
- Cracked plasters mortar and cement residues must be scraped off the surface.
- The porous surfaces should be wetted and must be left to dry before application.
- The surface must be dry and moisture content should not exceed 5%.
- At low temperatures the viscosity of the material increases. Therefore keep the material at room temperature ($23\pm3^{\circ}\text{C}$) for one day before use.

Application

- When used on underfloor heating systems, the heating should start ten days earlier and be stopped at the time of application. System can be reoperated 72 hours after the application.
- Mix 6.250 kg component A with 0.750 kg component B until a homogeneous color is obtained.
- Spread the mixture onto the substrate with a notched trowel of 4x4x4 mm size.
- Consumption is 1.5 kg/m².
- In bonding of tiles with dimensions of 40x40 cm or larger, apply the mixture using backbuttering method.
- Bonding of tiles and parquets on the substrate surfaces must be applied within 45-60 minutes.

**1411 Technopur****Post-Application Protection & Suggestions**

- Clean tools and surface with polyurethane cleaning materials.
- Dispose mortars of which pot life is expired.
- Ventilate the work area during the application.
- Do not mix the product with water or solvents.
- Tiles installed with Technopur must not be subject to water for at least 24 hours.
- Do not walk on the floor 24 hours after application.
- The surface should be protected from air stream during and after the application.
- It should not be applied in rainy weather and the applied surface should be protected from rain in 24 hours.
- Contains diphenylmethane 4,4'-diisocyanate which can be harmful.
- Do not breathe vapor. Use in well ventilated areas.
- In case of contact with skin and eyes rinse immediately with plenty of water and seek for medical advice.
- Wear suitable protective clothing, gloves and eye protection.
- Keep away from children.
- Keep products as lids closed.
- In case of skin and eye contact wash with plenty of water. For further information refer to the safety data sheet.
- The consumption values in table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

Packaging

- 7 kg pail (2 component).
- Component A: 6.25 kg
Component B: 0.75 kg

**Certificates of Quality**

TS EN 12004:2007+A1:2012, Class R2T

R: Resin based

2: Improved

T: Reduced Slip



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Technical Properties

(at 23°C and 50% RH)

General Data

Color	Component A: Light yellow. Component B: Dark brown.
Shelf Life	12 months when stored in the original sealed packing in dry.

Application Data

Mixing Ratio	Component A: 6.25 kg. Component B: 0.75 kg.
Pot Life	45 - 60 minutes.
Setting Time	80% hardening in 24 hours. 100% hardening in 1 week.
Consumption	~ 1.5 kg/m ² (4x4x4 mm. notched trowel).
Application Temperature Range	(+5°C) - (+35°C)

Performance Data

Slip (EN 12004-2)	≤ 0.5 mm
Shear Adhesion Strength (TS EN 12003)	
- Initial	≥ 2 N/mm ²
- After immersion in water	≥ 2 N/mm ²
- After thermal shock	≥ 2 N/mm ²
Open Time	After 30 minutes ≥ 0.5 N/mm ²
Service Temperature Range	(-30°C) - (+80°C)
Release of Dangerous Substances (EN 12004-1)	See SDS.
Reaction to Fire	Cs2d1