



Description

High performance, flexible, water resistant cementitious adhesive with extended open time, reduced slip and contributes to waterproofing for ceramic tiles and stones.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of all types and sizes of tiles and glass mosaics in swimming pools, Turkish baths, water tanks, basins and any other wet place.
- Bonding of ceramic tiles or granite on existing granite, ceramic, marble.
- Bonding of tiles on places where sudden temperature changes occur like cold storage depots and over floor heat installations.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.

Properties

- Perfect adherence.
- Highly deformable, resistant to temperature changes.
- Waterproof.
- Extended open time.
- Can be applied on vertical surfaces even for bonding of heavy tiles without sagging.
- Easily trowelable.

Preparation of Substrates

- Substrates must be sound, free from oil, grease, and sufficiently dry. Cementitious substrates must be cured.
- 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.
- Use Tamirart or Mastar 10 in case of uneven substrates to get a sound and flat surface. Use Gypsastar on anhydrite screeds.
- The surface should be primed with Kalekim Astar (Primer) depending on the absorbency of the substrate before application.
- Exposed concrete surfaces should be primed with Kalekim B-tone in order to increase the adhesion strength of tile adhesive.
- Wipe the back sides of tiles with water if dusty.

Application

- Pour Technopool on the amount of clean water specified in the technical table slowly and mix to obtain a homogeneous paste free from lumps. A low speed mixer is recommended to mix. Do not add any additive which is not mentioned in the instructions for the application.
- Allow to stand for 5 minutes to mature. After 1-2 minutes remixing, the paste is ready for application.
- Consumption is 3-5 kg/m².
- Consume the prepared mortar within 6 hours.
- Spread the mortar onto the substrate with a notched trowel of which notch size is appropriate to the tile dimension. To obtain a good adhesion first apply a thin coat of Technopool with the flat side of the trowel, then notch with the toothed side of the trowel. Application of large tiles (greater than 40x40), on existing tiles or in places which are subject to frost or heavy traffic, Technopool should also be applied on the back of the tiles (Combined method).
- Open time is 30 minutes. Install the tiles within this period with a firm pressure. Unfavourable climatic conditions (high temperature, low humidity, wind, etc.) can reduce this time to just a few minutes. If this period is exceeded, scratch and discard the mortar.

**Post-Application Protection & Suggestions**

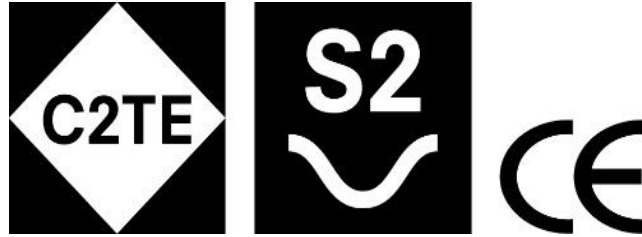
- Clean tools and hands with water, and surfaces with a damp cloth.
- Dispose mortars of which the pot life is expired.
- Tiles installed with Technopool must not be subject to water for at least 24 hours and must be protected from frost and strong sunlight for at least 5-7 days after installation.
- Time required for grouting on walls is 8 hours and on floors is 24 hours.
- Floors can be opened to light foot traffic after 24 hours.
- 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.
- The mortar should not be exposed to direct sunlight and the mixture should be made with warm water.
- Application temperature should be between +5°C and +35°C.
- Since contains cement, it irritates the eyes, respiratory system and skin. For further information refer to the safety data sheet.
- The consumption values in the 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.
- Do not stack more than 10 bags on top of each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

Packaging

- 25 kg multi-ply paper bags.

**Certificates of Quality**

EN 12004:2007+A1:2012, Class C2TE, S2.

C: Cementitious

2: Improved

T: Reduce slip

E: Extended Open Time

S2: Highly Deformable



1062 Technopool

Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	Grey or White powder
Shelf Life	12 months when stored in the original sealed packing in a dry place.

Application Data

Application Temperature Range	(+5°C) - (+35°C)
Mixing Ratio	5.75 – 6.25 liters water / 25 kg grey powder 6.25 – 6.75 liters water / 25 kg white powder
Pot Life	6 hours
Grouting	8 hours on wall; 24 hours after on floor
Consumption	3 - 5 kg/m ²

Performance Data

Slip	≤ 0.5 mm
Open Time Tensile Adhesion Strength	After 30 minutes ≥ 0.5 N/mm ²
Tensile Adhesion Strength	
- Initial (after 28 days)	≥ 1 N/mm ²
- After heat exposure	≥ 1 N/mm ²
- After immersion in water	≥ 1 N/mm ²
- After freeze/thaw cycles	≥ 1 N/mm ²
Deformability	≥ 5 mm - S2 Highly deformable
Service Temperature Range (after final cure)	(-40°C) - (+80°C)
Release Dangerous Substances	See SDS.
Reaction to Fire	A2