

**Description**

Ready to use high performance emulsion polymer based tile adhesive with extended open time and no vertical slip for ceramic tiles and stones.

**Fields of Application**

- Easy and clean application for interior wall and floor bonding of all types and sizes of ceramic tiles even on deformable surfaces.
- Bonding of tiles on gypsum panels and painted walls.
- Interior bonding of insulating and decorative ceiling materials.

**Properties**

- Ready to use.
- Easily trowelable.
- Perfect adherence.
- Highly deformable, resistant to normal vibrations which building materials are subject to.
- Extended open time.
- Allows installation of tiles from top towards bottom.

**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.
- Wipe the back sides of tiles with water if dusty.

**Application**

- Mix Supertech thoroughly before application.
- Spread Supertech onto the substrate with notched trowel of which notch size is appropriate to the tile dimension. To obtain a good adhesion first apply a thin coat of Supertech with the flat side of the trowel, then notch with the toothed side of the trowel.
- Consumption is 3-5 kg/m<sup>2</sup>.
- 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 exceeds, scratch and discard the paste.
- Insulation panels and decorative ceiling tiles can be applied using either spot-bonding or full bonding method.

**1230 Supertech****Post-Application Protection & Suggestions**

- Dispose mortar of which pot life is expired.
- Clean tools and hands with water, surfaces with a damp cloth.
- Tiles installed with Supertech must not be subject to water for at least 10 days.
- While bonding the tiles on existing tiles, curing time may increase up to 1-2 weeks.
- Time required for grouting is 24-48 hours.
- For bonding of large size and low water absorbent coating materials, cement based adhesives are suggested.
- Application temperature should be between +5°C and +35°C.
- Although Supertech is non hazardous, use normal precautions for handling chemical products. 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 +23°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**

1 kg, 5 kg, 15 kg and 30 kg pail.



## 1230 Supertech

### Technical Properties

(at 23°C and 50% RH)

### General Data

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

### Application Data

Application Temperature Range	(+5°C) - (+35°C)
Grouting	24 - 48 hours
Consumption	3 - 5 kg/m <sup>2</sup>

### Performance Data

Slip (EN 12004-2)	≤ 0.5 mm
Open Time (EN 12004-2)	After 30 minutes ≥ 0.5 N/mm <sup>2</sup>
Shear Adhesion Strength (EN 12003)	
- Initial (after 28 days)	≥ 1 N/mm <sup>2</sup>
- After heat exposure	≥ 1 N/mm <sup>2</sup>
- After immersion in water	≥ 0.5 N/mm <sup>2</sup>
- At elevated temperatures	≥ 1 N/mm <sup>2</sup>
Service Temperature Range (after final cure)	(-30°C) - (+80°C)
Release of Dangerous Substances (EN 12004-1)	See SDS.
Reaction to Fire (EN 13501-1)	Bs1d0



### Certificates of Quality

TS EN 12004-1, Class D2TE.

D: Dispersion based

2: Improved

T: Reduced Slip

E: Extended Open Time

1230 Supertech