1230 Supertech

Ready to Use Tile Adhesive (D2TE)

Technical Data Sheet

1230 Supertech

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/m².
- 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.

info@kalekim.com

Revision Date: <REV_TARIHI>

Revision No: <REV_NO>

Kalekim

1230 Supertech

Ready to Use Tile Adhesive (D2TE)

Technical Data Sheet

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.

D2TE CE

Certificates of Quality

TS EN 12004-1, Class D2TE.
D: Dispersion based
2: Improved
T: Reduced Slip
E: Extended Open Time

info@kalekim.com

Revision Date: <REV_TARIHI>
Revision No: <REV_NO>

Kalekim

1230 Supertech

Ready to Use Tile Adhesive (D2TE)

Technical Data Sheet

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/m²

Performance Data

Slip (EN 12004-2)	≤ 0.5 mm
Open Time (EN 12004-2)	After 30 minutes ≥ 0.5 N/mm²
Shear Adhesion Strength (EN 12003)	
- Initial (after 28 days)	≥ 1 N/mm²
- After heat exposure	≥ 1 N/mm²
- After immersion in water	≥ 0.5 N/mm²
- At elevated temperatures	≥ 1 N/mm²
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

info@kalekim.com

Revision Date: <REV_TARIHI>

Revision No: <REV_NO>