

KERAMONT FLEX SPECIAL



TYPE OF PRODUCT

Cementitious (C), improved (2), slip resistance (T), extended open time (E), deformable (S1) grey or white adhesive.

APPLICATION AREA

- Bonding all types and sizes of ceramic tile (porcelain, single-fired, terracotta, double-fired, klinker, etc.), stone material (as long as it is dimensionally stable and not sensitive to moisture and staining)
- Bonding all types of mosaic on internal and external surfaces. Specifically suited for large areas of flooring and large-sized tiles
- Overlaying old floors with ceramic tiles, terrazzo and stone material.
- It is applied on mineral substrates and substrates waterproofed with Hidronivelit 1K or Hidronivelit 2K.
- Bonding tiles in swimming pools and tanks.
- Bonding on façades.
- Bonding floors subjected to high stresses and intense traffic
- It is also convenient for floor heating systems
- Waterproof and frost resistance

SURFACE PREPARATION

Substrate must be clean, free from dust, oil and grease and not frozen. Weak areas, voids cement laitance must be removed back to a sound substrate. Remove old adhesive residues from the substrate mechanically as much as possible. Remove dust and impurities by using the appropriate vacuum cleaner.

Absorbing surfaces need to be impregnated with CHROMOFAS impregnation. Dilute impregnation with water (1 part of impregnation : 4 part of water). If no impregnation is used, wet the surface with water. Prior to tiling, determine expansion joints.

PREPARATION OF MIX

Mix the content of a 25-kg sack with about 6,5 liters of water, manually or with power mixer. Leave for 10 minutes, then stir again. Use the adhesive within 3 hours.

Last update: March 2024.

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APPLICATION INSTRUCTIONS

Apply KERAMONT FLEX using a notched trowel. To achieve good adhesion, spread a first thin layer of adhesive on the substrate using the straight edge of the trowel. After that apply KERAMONT FLEX SPECIAL on the substrate using notched trowel as well as spread the adhesive on the back of the tiles in order to insure complete coverage. There is no need to wet the tiles before installing them. Only with very dusty backs is it recommended to dip the tiles in clean water. Tiles should be installed under a pressure to ensure a good coverage of the adhesive. In normal temperatures and humidity conditions, the open time of KERAMONT FLEX SPECIAL is at least 30 minute. Weather conditions such as strong sun, drying wind, high temperature or highly absorbent substrate can reduce the open time, even to just a few minutes.

Careful checks must be made to ensure that a skin does not form on the surface of the spread adhesive, which should stay fresh. If not, re-freshen with a notched trowel.

ADJUSTABILITY TIME

Approx. 20 minutes

SET TO LIGHT FOOT TRAFFIC

After 24 hours

READY FOR GROUTING

After 24 – 48 hours

REDY FOR USE

14 days

TECHNICAL DATA

According to EN 12004 as C2TES1 and EN 12002

Initial tensile adhesion strength: $\geq 1,0 \text{ N/mm}^2$

Tensile adhesion strength after heat ageing: $\geq 1,0 \text{ N/mm}^2$

Tensile adhesion strength after water immersion: $\geq 1,0 \text{ N/mm}^2$

Tensile adhesion strength after freeze-thaw cycles: $\geq 1,0 \text{ N/mm}^2$

Open application time (tensile strength): $\geq 0,5 \text{ N/mm}^2$, after 20 minutes

Vertical slip: $\leq 5 \text{ mm}$

Deformability according to EN 12004: S1 – deformable ($> 2.5 \text{ mm}$, $< 5 \text{ mm}$)

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SPREADING RATE

Approx. 1,5 kg/m² per 1 mm of thickness; depending of the type and size of the tiles and type of the substrates.

CLEANING

Tools and containers should be cleaned with plenty of water while product is still fresh. Hardened material can only be mechanically removed.

GENERAL REQUIREMENTS

Best applied at the temperature between +5 °C and + 30 °C and a relative humidity below 65%.

SUBSTRATE TEMPERATURE

Between +5 °C and + 30 °C

PACKAGING

25 and 5 kg paper bags

STORAGE

In dry and good ventilated space at temperatures from +5°C to +35°C.
Shelf life: 9 months, in its original unopened packaging. Keep from and direct sun light.

SAFETY PRECAUTIONS

See relevant material safety data sheet and label.

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