



1951 Kalekim

### Description

Cementitious ceramic tile adhesive with extended open time and reduced slip.

### Fields of Application

- Floor and wall bonding of all types of ceramic tiles, mosaic and decorative bricks on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic.

### Properties

- Perfect adherence.
- Allows installation of tiles from top towards the bottom.
- Extended open time.
- Easily trowelable.

### Preparation of Substrates

- Substrates must be free of any contamination which may prevent proper adhesion. 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.
- 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.
- In case of application on existing tile, first prime the surface with Kalekim Dolgulu Astar (Smooth Surface Primer).
- Wipe the back sides of tiles with water if dusty.

### Application

- Pour 1951 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 component which is not instructed in application.
- Allow to stand for 5 - 10 minutes to mature. Remix 1-2 minutes before the application.
- To obtain a good adhesion, spread the mortar onto the substrate with the flat side of trowel and notch with the tooled side of a notched trowel of which notch size is appropriate to the tile dimension.
- Open time is 30 minutes. Install the tiles on the notched mortar within this period with a firm pressure. Unfavourable climatic conditions (high temperature, low humidity, wind, etc.) can reduce this time. If this period exceed, scratch and discard the mortar.

### Post-Application Protect & 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 Kalekim 1951 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.
- The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.
- Since it contains cement, it irritates the eyes, respiratory system and skin.
- For further information refer to the safety data sheet.



#### 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 12004-1, Class C1TE

C: Cementitious

1: Standard

T: Reduced slip

E: Extended open time



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#### Technical Properties

(at 23°C and 50% RH)

#### General Data

Appearance	Grey 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	7.5-8,5 litres water / 25 kg powder
Pot Life	6 hours
Grouting	8 hours on wall; 24 hours after on floor
Consumption	Approx. 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>
Tensile Adhesion Strength (EN 12004-2)	
- Initial	≥ 0.5 N/mm <sup>2</sup>
- After heat exposure	≥ 0.5 N/mm <sup>2</sup>
- After immersion in water	≥ 0.5 N/mm <sup>2</sup>
- After freeze/thaw cycles	≥ 0.5 N/mm <sup>2</sup>
Service Temperature Range (after final cure)	(-40°C) - (+80°C)
Release Dangerous Substances (EN 12004-1)	See SDS.
Reaction to Fire (EN 13501-1)	A1