

Description

High performance cementitious adhesive with extended open time and reduced slip.

Fields of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, granite, porcelain ceramic, cotto, clinker on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tiles or marble.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.

Properties

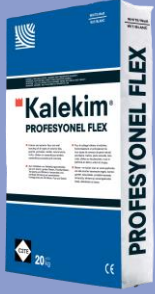
- Perfect adherence.
- Can be applied on vertical surfaces even for bonding of heavy tiles without sagging.
- Easily trowellable.

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 series 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 Profesyonel Flex 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 the mortar to stand for 5 - 10 minutes to mature. After 1-2 minutes remixing, the paste is ready for application.
- 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 Profesyonel Flex with the flat side of the trowel, then notch with the toothed side of the trowel.
- Open time is 30 minutes. Install the tiles within this period with a firm pressure. Unfavorable 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.



Profesyonel Flex

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 Profesyonel Flex 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.
- 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.
- 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.

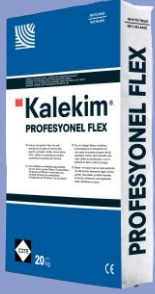
Packaging

- 20 and 25 kg multi-ply paper bags.



Certificates of Quality

EN 12004-1, Class C2TE
C: Cementitious
2: Improved adhesive
T: Reduced slip
E: Extended open time



Profesyonel Flex

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	6,5-7 lt water / 25 kg grey powder 7-8 lt 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 (EN 12004-2)	≤ 0.5 mm
Open Time (EN 12004-2)	After 30 minutes ≥ 0.5 N/mm ²
Tensile Adhesion Strength (EN 12004-2)	
- Initial	≥ 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
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