



### Description

White 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 tiles.
- Exterior bonding and grouting of glass mosaics.
- Interior and exterior bonding of glass bricks.

### Properties

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

### 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.
- 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 KalekimBeyaz 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 to stand for 5 - 10 minutes to mature. After 1-2 minutes remixing, the paste is ready for application.
- Consumption is 3-5 kg/m<sup>2</sup>.
- Consume the prepared mortar within 6 hours.
- 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 Kalekim Beyaz 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. Unfavourable climatic conditions (high temperature, low humidity, wind, etc) may reduce this time to just a few minutes, If this period is exceeded, scratch and discard the mortar.



## 1052 KalekimBeyaz

**Post-Application Protection & Suggestions**

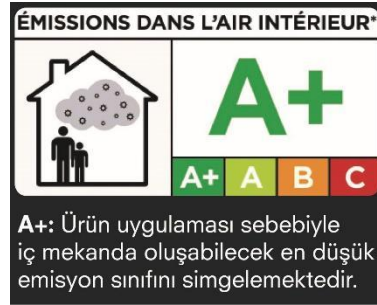
- Clean tools and hands with water, and surfaces with a damp cloth.
- Dispose mortars of which the pot life is expired.
- Tiles installed with Kalekim Beyaz must not be subject to water for at least 24 hours and must be protected from frost and strong sunlight for at least 5-7 days after installation.
- 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.
- Since it contains cement, it irritates the eyes, respiratory system and skin. 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 +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**

- 20 kg multi-ply paper bags.
- 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



# 1052 KalekimBeyaz

### Technical Properties

(at 23°C and 50% RH)

### General Data

|            |  |
|------------|--|
| Appearance | 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                  | 7-7.5 litres water / 25 kg powder        |
| Pot Life                      | 6 hours                                  |
| Grouting                      | 8 hours on wall; 24 hours after on floor |
| 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> |
| 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                                       |