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ARKIM ARFIX/1111-1122

- **Definition**

  It is a cement-based ceramic tile adhesive mortar with reduced slip and long working time and normal hardening.

- **Application area**

  -In the application of coating materials such as small and medium sized floor and wall ceramics, tiles, natural stone glass mosaics, travertine, decorative facing bricks in indoor and outdoor areas, on surfaces such as concrete, plaster, screed, in wet areas such as bathrooms and kitchens. used.

  -It is used for bonding tiles on tiles or ceramics on ceramics.

- **App features**

  -Usability time max. 5 hours

  -Working time min. 20 minutes

  -Fixing time max. 15 minutes

  -Time required for grouting, 24 hours on the wall, 48 hours on the floor

- **Surface preparation**

  -The surfaces on which ARKIM ARFIX will be applied should be free of dust, dirt, oil, etc. It should be cleared of residues that will prevent sticking, such as

  - If there are defects on the application surface, they are corrected with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.

  - Care should be taken to ensure that the surface is cured and solid.

  - If the application surfaces are porous, they should be wetted.

  - Care should be taken to ensure that the applied surface is on a solid carrier and also in balance.

- **Application conditions**

  -Ambient temperature between +5 ^{0}C and +35 ^{0}C,

  - It should not be applied on frozen, melting or frost risk surfaces within 24 hours.

  - It should not be applied under direct sun, strong wind or on hot surfaces.

  -During the application, care should be taken to form a film on the surface of ARKIM ARFIX. If it does, it should be re-carded.

- **Warnings and Advice**

  -Absolutely no foreign substances should be added.

  -After the application, all the tools used should be washed with water before they dry.

- **Application tools**

  Hand mixer, trowel, rubber hammer, toothed steel trowel

- **Application**

  - The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture.

  Attention should be paid to the cleanliness of the water and materials used.

  water 25 kg.

  -Water is poured into the container first, and then the powder is gradually sieved and mixed until a homogeneous mixture is obtained.

  -A low speed mixer should be used to make the mixture homogeneous.

  -After obtaining a homogeneous mixture, it is rested for 5-10 minutes for the mortar to mature.

  -It should be mixed again for 1-2 minutes before starting the application.

  - After the mixture becomes homogeneous, no powder, water or any other substance should be added.

  -In order to obtain a better adhesion surface, after the mortar is spread on the surface with the flat part of the trowel, it should be combed with the toothed part of the trowel selected in accordance with the tile size (See Comb Size and Consumption Table).

  -The tiles should be adhered by applying force with a rubber hammer on the notched mortar within 30 minutes. This period may be shortened in applications made under unsuitable ambient conditions such as high temperature, low humidity, and wind.

  - Adhesion should not be done on the expired mortar, the mortar should be scraped from the surface.

  -The prepared mortar should be consumed within 5 hours.

  -Expired or crusted mortar in the container should be discarded.

  -After the application, hands and application tools should be washed with plenty of water.

  -The direct contact of the tiles with ARKIM ARFIX with water should be avoided for at least 24 hours.

- **Consumption**

Tile Size	Comb Size	Consumption
< 5 cm	3mm	2kg/ m^2
5-10 cm	4mm	2-3kg/ m^2
10-20cm	6mm	4kg/ m^2
20-40cm	8mm	5-6kg/ m^2
>40 cm	10mm	7-8kg/ m^2

- **Performance Information**

- Tensile adhesion strength after exposure: ≥ 0.5 N/mm^2 after at least 30 minutes

-Initial tensile bond strength: ≥ 0.5N/mm^2

- Tensile adhesion strength after immersion in water: ≥ 0.5 N/mm^2

- Tensile bond strength after heat aging: ≥ 0.5 N/mm^2

- Tensile adhesion strength after freeze-thaw cycles: ≥ 0.5 N/mm^2

-Slip: ≤ 0.5mm

-Temperature resistance: -30 ^{0}C to + 70 ^{0}C

Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23 ± 2 ^{0} C and 50 ± 5% humidity and no air flow) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.

- **Reference Standards**

-TS EN 12004-1 / Class: C1TE

-CE

-Public Works Pos No: 04.013/1

- **PACKAGING**

-25 kg Kraft bag

-1 and 5kg polyethylene bags

-64 pieces per pallet, 1600 kg

- **Physical state**

-Grey-white, powder

- **Storage Conditions**

- Care should be taken to place a maximum of 10 layers of kraft bags on top of each other during storage.

-Storage should be done indoors and in areas away from direct sunlight.

-The bags should be stored in such a way that they do not touch the ground and be protected from moisture.

-Under these conditions, the product can be stored for 12 months from the date of manufacture.

- Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.