

■ Warnings and Advice

NITRON FIX 50

■ Definition

Cement based normal hardening ceramic adhesive mortar

■ 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 NITRON FIX 50 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 °C and +35 °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 application, it should be noted that NITRON FIX 50 forms a film on its surface. If it does, it should be re-carded.

-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.

-The mortar should be prepared at the rate of NITRON FIX 50 to 6-6.5 liters of 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 20 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.

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- Direct contact of the tiles with NITRON FIX 50 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 20 minutes

- Initial tensile bond strength: ≥ 0.5 N/mm²

- Tensile adhesion strength after immersion in water: ≥ 0.5 N/mm²

- Tensile bond strength after heat aging: ≥ 0.5 N/mm²

- Tensile adhesion strength after freeze-thaw cycles: ≥ 0.5 N/mm²

- Temperature resistance: -30 °C to + 60 °C

-These values have been obtained as a result of laboratory experiments and are valid for the performance of the finished applications after 28 days.

• Reference Standards

- TS EN 12004-1 / Class: C1

- Public Works Pos No: 04.013/1

• Packaging

- 25 kg Kraft bag,

- 64 pieces per pallet, 1600 kg

■ Physical state

- Gray, 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.

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

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