

NIVAKIM NIVAFIX FLEX/1035-1045

Definition

-It is a single component, cement based, high performance, flexible, slip resistant, long working time adhesive mortar.

Application area

is used to safely adhere coating materials such as ceramic, granite, marble to the exterior of buildings , on surfaces such as concrete, plaster, screed.30 m

be used for bonding coating materials larger than x 60 cm and 30 m higher 60 cm than 40 cm x size 40 cm on exteriors .15 m

It is used in underfloor heating systems and ceramic coating on plasterboard.

It is used for ceramic coating on old granite and marble.

It is used in ceramic applications on difficult surfaces such as paint.

In terraces and balcony applications,

It is used in places where there are sudden temperature changes such as cold storages, freezing facilities, exteriors of ovens, underfloor heating systems.

It is used in places such as workplaces, shopping malls, schools, hospitals, which are exposed to heavy pedestrian traffic.

App features

-Usability time max. 5 hours

-Working time max. 30 minutes

-Fixing time max. 20 minutes

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

Surface preparation

- The surfaces on which NIVAKIM NIVAFIX FLEX 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 NIVAKIM NIVAFIX FLEX forms a film on its surface. 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.

9.25-9.75 liters of water 25 kg NIVAKIM NIVAFIX FLEX.

- First, the liquid component is put into the container, 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.
- Tiles adhered with NIVAKIM NIVAFIX FLEX should be avoided for at least 24 hours in direct contact with water.

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: At least 30 min. then $\geq 0.5 \text{ N/mm}^2$
- Initial tensile bond strength: $\geq 1 \text{ N/mm}^2$
- Tensile adhesion strength after immersion in water: $\geq 1 \text{ N/mm}^2$
- Tensile bond strength after heat aging: $\geq 1 \text{ N/mm}^2$
- Tensile adhesion strength after freeze-thaw cycles: $\geq 1 \text{ N/mm}^2$
- Slip: $\leq 0.5 \text{ mm}$
- Flexibility: $\geq 2.5 \text{ mm}$
- Temperature resistance: -30°C to $+70^\circ \text{C}$
- Note: The application properties have been obtained as a result of experiments carried out in a laboratory environment ($23 \pm 2^\circ \text{C}$ and $50 \pm 5\%$ 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: C2TES1
- CE
- Public Works Pos No: 04.013/1

Packaging

- 25 kg Kraft bag,
- 64 pieces per pallet, 1600 kg

Physical state

- Gray, 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.
- It can be stored for 12 months between $+5^\circ \text{C}$ and $+35^\circ \text{C}$.
- Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.