

INNO-FIX FOX FUGANORM FX120

Cement Based Joint Filler Material for Tiles and Ceramics

Description

FOX FUGANORM FX120 is a joint filling material that is not affected by temperature differences and water, used in the joints of materials such as cement-based ceramics, tiles, marbles and small glass mosaics.

In compliance with TS EN 13888 - CG2A

CG : Cement Based Joint Filler

2 : Additional Properties Improved

A : High Abrasion Resistance

Fields of Application

- Indoors and outdoors, vertical and horizontal applications,
- Hotel, hospital, shopping mall, residence, etc.
- In all wet areas,
- Used in all kinds of decorative applications.

Advantages

- Easily prepared and applied.
- Suitable for 2-6 mm wide joints.
- Adheres very well to ceramic edges.
- Resistant to water and frost.
- The working time is approximately 2 hours.

Technical Data

Structure of Material		Mineral fillers, synthetic additives and special cement
Color		White, Gray
Compression Strength		>15 N/mm ²
Bending Strength		>3,50 N/mm ²
Density		1,85 kg/lt
Water Absorption	30 minutes	<5 gr
	240 minutes	<10 gr
Abrasion Strength		<2000 mm ³
Application Surface Temperature		+5°C / +25°C
Service Temperature		-10°C / +50°C
Initial Curing Time		3-5 minutes
Working Time		2 hours
Giving Life Water		10-20 minutes
Time of walkable on it		24 hours

The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures extend the time



Application Procedure

Preparation of Substrate

Making strength of adhesive should be expected before starting joint sealant application. 48 hours of waiting time is generally sufficient. The grout in the joints should be cleaned and the joints should be emptied. Joints of highly absorbent materials must be moistened before filling.

Mixing

Clean water as described on the package is put into a clean mixing bowl. While the **FOX FUGANORM FX120** bag is opened and added slowly into the water, it is mixed with a 400 - 600 rpm mixing drill for about 4 minutes until it becomes homogeneous. No lumps should remain in the material. After the material is rested for 30 seconds, it is mixed again for 1 minute and made ready for application. Different water ratios and different mixing patterns may cause undesired color differences.



Mixing Rates

Approximately 6,40 lt of water should be used for 20 kg/1 bag **FOX FUGANORM FX120**.

Approximately 320 ml of water should be used for 1 kg of **FOX FUGANORM FX120**.

Application

The mixed material is placed on the joints by making diagonal movements with a rubber trowel. In deep joints, the material should be expected to settle down and then this process should be repeated. In extremely hot weather and absorbent surfaces, the joint material can suddenly lose its water and cause superficial cracking. For this reason, the joints should be slightly moistened with a wet sponge before application. When the materials left to dry become hard to resistant to finger pressure, the surfaces are finished with a wet sponge and the material left on the surface of ceramic is cleaned.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water **FOX FUGANORM FX120** can only be mechanically cleaned from the surface after hardening.

Coverage

Consumption Table (Depth: 8 mm)

Ceramic dimensions /Joint Spacing	2 mm	3 mm	4 mm	5 mm	6 mm
10x10	550	800	1100	1350	1600
10x20	400	650	850	1050	1250
15x15	450	650	900	1000	1350
15x20	300	500	650	800	1000
20x20	300	450	600	750	900
20x25	275	400	500	700	800
20x30	250	375	500	600	750
30x30	200	300	400	500	600

Watch Points

- Using different amounts of mixing water during the application causes changes in joint colors. For this reason, applications should be made without changing the amount of water. Excessive water can weaken the material and cause spills and cracks. In surface cleaning process, wood chips should not be used.

Package

20 kg polyethylene reinforced kraft bag

Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and +30°C, shelf life is 12 months from the date of production. Opened packages should be consumed within 1 week by closing their mouths.

Storage

Should be stored in its original package, in a cool and dry place protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with the first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.

Safety Precautions

It is dangerous to approach the storage and application areas with fire. Storage and application areas should be ventilated.

During the application, work clothes, protective gloves, goggles, masks in accordance with the occupational health and safety rules should be used. During storage and application, the material should not be contacted with the skin and eyes, if contacted, should be washed immediately with plenty of water and soap, and if swallowed, should be sought medical attention immediately. Foods and drinks should not be taken into the application areas. The material should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.



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