

INNO-FIX FOX MULTIFUGA HF FX144

Cement Based, High Performance Joint Filler Material Specially Developed for Pools

Description

FOX MULTIFUGA HF FX144 is cement based, resistant to bacteria and pool chemicals, with high mechanical strength, easy to apply, hygienic joint filling material. It is used in joints of materials such as ceramics, marble, granite, natural stone, glass mosaic and porcelain ceramics in baths, saunas, spas and pools.

In compliance with TS EN 13888 - CG2

CG : Cement Based Joint Filler

2 : Additional Properties Improved

Fields of Application

- Indoors and outdoors, vertically and horizontally,
- In swimming pools,
- In water tanks,
- In Turkish baths, saunas and hot springs,
- Used in wet areas.

Advantages

- Applied easily and fast.
- Has high mechanical strength.
- Thanks to its high density, it minimizes getting dirty.
- Resistant to pool chemicals and cleaning agents.
- More resistant to acidic cleaners than other cement based joint fillers.
- Resistant to cleaning with high pressure water jet of + 250°C and 100 bar.
- Suitable for 1 - 8 mm joint spacing.
- Resistant to freeze-thaw effect.

Technical Data

Structures of Material	Specially selected fillers, synthetic additives, polymers and cement
Density	2,22 kg/lt
Color	Beyaz (Please consult our technical department for special colors.)
Compression Strength	≥50 N/mm ²
Bending Strength	≥3,50 N/mm ²
Shrinkage Strength	<2mm/m
Abrasion Strength	<1000 mm ³
Su absorption	30 minutes <2 gr 240 minutes <5 gr
Application Surface Temperature	+5°C / +35°C
Service Temperature	-20°C / +250°C
Initial Curing Time	3-5 minutes
Working Time	1 hours
Time of walkable on it	6 hours
Exposure to Water	24 hours
Opening Time to Traffic	7 days



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 MULTIFUGA HF FX144** 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 200±10 ml of water should be used for 1 kg of **FOX MULTIFUGA HF FX144**.

Approximately 4±0,25 lt of water should be used for 20 kg/1 bag **FOX MULTIFUGA HF FX144**.

Application

FOX MULTIFUGA HF FX144 is applied on the surface with a hard rubber trowel or mortar gun. Excessive material on the surface should be cleaned. When the material reaches finger pressure resistant (approximately 20 minutes depending on the ambient temperature), the surface is cleaned with a damp sponge.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water **FOX MULTIFUGA HF FX144** can only be mechanically cleaned from the surface after hardening.

Coverage

Consumption Table for Cement Based Joint Fillers (Depth: 8 mm)

Ceramic dimensions / Joint Spacing	2 mm	3 mm	4 mm	5 mm	6 mm	8 mm
2,5x2,5	2500	3700	-	-	-	-
5x5	-	1900	-	-	-	-
10x10	-	1000	1350	1750	2100	2800
10x20	-	750	1050	1300	1550	2050
20x20	-	550	750	900	-	-
30x30	-	350	500	600	-	-

Consumption amounts are theoretical. It shows the powder product consumption. Values are given in gr / m².

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 craft 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.

Disclaimer

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