

## INNO-FIX

# FOX FUGAMORTAR FX100 XL

## Cement and Polymer Based Flex Joint Filler for Natural Stones

### Description

**FOX FUGAMORTAR FX100 XL**, Cement and polymer based joint filling material especially for sensitive natural stone, brick, marble and granite gaps, resistant to water, resistant to vibrations, elongation and shortening due to temperature differences.

**In compliance with TS EN 13888: 2010 - CG2WA**

**CG2: Cement Based Joint Filler Improved Additional Properties**

**W : Water Absorption Reduced**

**A : High Abrasion Resistance**

### Fields of Application

- Indoors and outdoors, vertical and horizontal applications,
- In heated screeds, balconies and terraces,
- In making joint filler of natural stones such as marble, travertine, granite, solnhofen stone etc.
- It can be used in joint spaces between 5-20 mm.

### Advantages

- Easily prepared and applied.
- Provides crack-free hardening; the joint does not crack or crumble.
- Provides fast curing, can be washed quickly and can be walked on it after about 6 hours; provides effective service.
- Waterproof and frost resistant.
- Can be used multi-purpose indoors and outdoors.
- Curing process is independent of temperature, the ideal washing time is almost the same at low temperatures and high temperatures.
- Does not cause staining on the edge areas in sensitive natural stones.
- Has a high filling volume.

### Technical Data

Structure of Material		Mineral fillers, synthetic additives, special polymers
Compression Strength		>16 N/mm <sup>2</sup>
Bending Strength		>2,5 N/mm <sup>2</sup>
Water Absorption	30 minutes	<5 gr
	240 minutes	<10 gr
Abrasion Strength		<1000 mm <sup>3</sup>
Application Surface Temperature		+5°C / +25°C
Service Temperature		-20°C / +80°C
Initial Curing Time		3-5 minutes
Working Time		40 minutes
Time of walkable on it		6 hours

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



### Colors

Gray, Black, Brown, Beige, Kremlin Red, White, Fume

### 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 FUGAMORTAR FX100 XL** 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 300±10 ml of water should be used for 1 kg of **FOX FUGAMORTAR FX100 XL**.

Approximately 6,00±0,25 lt of water should be used for 20 kg/1 bag **FOX FUGAMORTAR FX100 XL**.

## 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 FUGAMORTAR FX100 XL** can only be mechanically cleaned from the surface after hardening.

## Coverage

Variable

## 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.

## Disclaimer

The data contained in this technical document is based on our scientific and practical knowledge. SARTECH Yapı Malzemeleri San. ve Tic. Ltd Şti. is only responsible for the quality of the product. From the results that may occur due to misuse and other than written suggestions about where and how to use the product, SARTECH Yapı Malzemeleri San. ve Tic. Ltd Şti. cannot be held responsible. The responsibility of the correct application of our product belongs to the user. Our company is only responsible for the quality of the product. This technical form is valid only till a new version is implemented and nullifies the old ones. Our company has the right to make changes in all kinds of information and content details in this catalog. It is imperative to check that the information in the catalog is current and valid. All rights reserved.

