

INNO-FIX

FOX AQUAFUGA FX150

Silicone, Mold and Mildew Resistant, Flex Grout Filler

Description

FOX AQUAFUGA FX150, is a cement-based, water-repellent, silicone-added, resistant to mold and dirt formation; It is a flex grouting material used in the grouting of materials such as tiles, granite, natural stone and marble, not affected by temperature differences, water and vibration.

It meets the requirements of EN 13888-1:2022-CG2WA.

- CG** : Cement Based Joint Filler
2 : Additional features enhanced
W : Water Absorption Reduced
A : High Abrasion Resistance

Fields of Application

- Indoor and outdoor, vertical and horizontal applications,
- Hotels, hospitals, shopping centers, residences, etc.
- In all wet areas,

Advantages

- Resistant to mold and dirt formation as it is water repellent.
- Easy to clean.
- Resistant to impacts, vibrations and detergents.
- Resistant to freeze-thaw cycle.
- Highly resistant to abrasion.
- Excellent adhesion to tile edges without cracking.
- Smooth surface is obtained.
- Easy to prepare and apply.
- Does not scratch glazed surfaces.
- Suitable for 2-8 mm joint widths.
- Long working time.
- Does not fade or change color.

Technical Properties

Material Structure		Mineral fillers, synthetic additives, special polymers, special powder silicones
Dry Density		1,10±0,05 kg/lt
Fresh Mortar Density		1,76±0,05 kg/lt
Compressive Strength After Dry Storage	EN 13888-2:2022, 9.1	≥15 N/mm ²
Compressive Strength After Freeze Thaw	EN 13888-2:2022, 9.1	≥15 N/mm ²
Flexural Strength after Dry Storage	EN 13888-2:2022, 9.1	≥2,5 N/mm ²
Flexural Strength After Freeze Thaw	EN 13888-2:2022, 9.1	≥2,5 N/mm ²
Shrinkage	EN 13888-2:2022, 9.3	≤3 mm/m
Abrasion Resistance	EN 13888-2:2022, 9.4	≤1000 mm ³
Reduced Water Absorption	EN 13888-2:2022, 9.2	≤2 gr
	30 min	
	EN 13888-2:2022, 9.2	≤5 gr
	240 min	
Floor Temperature		+5°C/+30°C
Service Temperature		-20°C/+80°C
Maturation Time		3-5 min
Pot Life		~60 min
Opening Time		After 24 Hours

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



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FOX BAU YAPI KİMYASALLARI ANONİM ŞİRKETİ

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Colors

- 1. Group:** Manhattan - Dark gray - Cream - Light cream - Bahama beige - Light - Anemone - Champagne - Noche - Jasmin - Magnolia
- 2. Group:** Siyah - Caramel - Tan - Pudra - Antique bej - Mittelbraun - Balibraun – Bitter coffee - Chocolate - Cotto - Evergreen

Application Procedure

Substrate Preparation

The adhesive should be allowed to gain sufficient strength before grouting is applied. 48 hours waiting time is generally sufficient. Clean the mortar residues in the grout joints and empty the grout joints. The joints of highly absorbent materials must be moisturized before filling.

Mixing

Clean water as described on the package is placed in a clean mixing bowl. Open the **FOX AQUAFUGA FX150** bag and add it slowly into the water and mix it with a 400-600 speed mixing drill for about 2-3 minutes until it becomes homogeneous. There should be no lumps in the material. After the material is rested for 3-5 minutes during the maturation period, it is mixed again for 1 minute and made ready for application. Different water ratios and different mixing methods may cause unwanted color differences.

Mixing Ratios

Approximately 6,40±0,20 liters of water should be used for 20 kg/1bag **FOX AQUAFUGA FX150**.

Approximately 1,60±0,05 liters of water should be used for 5 kg/1bag **FOX AQUAFUGA FX150**.

Approximately 320±10 ml of water should be used for 1 kg **FOX AQUAFUGA FX150**

Application

The mixed material is placed into the joints with a rubber trowel by making diagonal movements. In deep joints, the material should first be allowed to settle and then this process should be repeated. In extremely hot weather and on absorbent surfaces, the grout material may suddenly lose its water and cause superficial cracks. For this reason, the joints should be slightly moistened with a wet sponge before application. When the materials left to dry are hard enough to withstand finger pressure, the surfaces are finalized with a wet sponge and the remaining material on the ceramic surface is cleaned.

Cleaning of Tools

Tools and equipment used after application should be cleaned immediately with water. **FOX AQUAFUGA FX150** can only be mechanically cleaned from the surface after hardening.

Watch Points

- Using different amounts of mixing water during application causes changes in grout colors. For this reason, applications should be made without changing the amount of water. Excessive use of water will weaken the material and may cause dust spillage and cracking. Sawdust should not be used for surface cleaning.



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Consumption

Tile Sizes			Cement Based Grouting Consumption (gr/m ²)						
Width (mm)	Length (mm)	Joint Depth (mm)	Joint Width (mm)						
			1	2	3	4	5	6	8
25	25	4	576	1152	1536	2304	2880	3456	4608
50	50	4	288	576	768	1152	1440	1728	2304
100	100	6	216	432	576	864	1080	1296	1728
100	100	8	288	576	768	1152	1440	1728	2304
100	100	10	360	720	960	1440	1800	2160	2880
200	200	6	108	216	288	432	540	648	864
200	200	8	144	288	384	576	720	864	1152
200	200	10	180	360	480	720	900	1080	1440
300	300	6	72	144	192	288	360	432	576
300	300	8	96	192	256	384	480	576	768
300	300	10	120	240	320	480	600	720	960
330	330	6	65	131	175	262	327	393	524
330	330	8	87	175	233	349	436	524	698
330	330	10	109	218	291	436	545	655	873
450	450	6	48	96	128	192	240	288	384
450	450	8	64	128	171	256	320	384	512
450	450	10	80	160	213	320	400	480	640
300	600	6	54	108	144	216	270	324	432
300	600	8	72	144	192	288	360	432	576
300	600	10	90	180	240	360	450	540	720
400	800	6	41	81	108	162	203	243	324
400	800	8	54	108	144	216	270	324	432
400	800	10	68	135	180	270	338	405	540
600	600	6	36	72	96	144	180	216	288
600	600	8	48	96	128	192	240	288	384
600	600	10	60	120	160	240	300	360	480
600	1200	6	27	54	72	108	135	162	216
600	1200	8	36	72	96	144	180	216	288
600	1200	10	45	90	120	180	225	270	360

Consumption amounts are theoretical. Indicates powder product consumption. Values are given in gr/m².

Package

5 kg polietilen bag
20 kg kraft bag

Shelf Life

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

Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, maximum 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out system. For long term storage, pallets should not be stacked 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, it should not be contacted with the skin and eyes, should be washed immediately with plenty of water and soap, and if swallowed, seek medical attention immediately. Food and drink materials should not be brought to the application areas. It should be stored out of the reach of children.

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



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Disclaimer

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