

INNO-FIX FOX EPOXYFUGA FX142

Epoxy-based, Two-Component, Chemical and Bacterial Resistant, Solvent-Free Adhesive and Joint Sealant

Definition

FOX EPOXYFUGA FX142 is an epoxy resin-based, chemical and bacteria resistant, hygienic, solvent-free, easy-to-apply, joint filler and adhesive material used for bonding and filling joints of materials such as ceramic, marble, granite.

It complies with EN 13888 - RG class.

RG Reaction resin based joint filling materials.

Usage places

- In indoor and outdoor applications,
- All kinds of food production facilities,
- Meat and fish industry, slaughterhouses,
- Pharmaceutical, paint, paper, battery and fertilizer industries,
- In printing houses, industrial kitchens and laundries, dining halls,
- In all kinds of hygienic environments in hospitals,
- In swimming pools and thermal pools,
- Waste water and treatment plants,
- Shopping malls, terminals, etc. subject to heavy pedestrian traffic. used.

Advantages

- Resistant to chemicals and bacteria.
- It is hygienic.
- It has high mechanical strength.
- Dirt-proof, easy to clean.
- Suitable for joint widths from 2 mm to 10 mm.
- It is resistant to freezing - thawing effect.
- It can be used in drinking water contact.

Technical Data

Structure of Material	A Component	Epoxy Resin
	B Component	Epoxy Hardener
Compression Strength		≥45 N/mm ²
Flexural Strength		≥30 N/mm ²
Splice Strength		≥2,60 N/mm ²
Abrasion Strength		<250
Water Absorption	After 4 hours	<0,10 gr
Surface Temperature		+10°C / +35°C
Temperature Resistance	Dry Environment	-20°C / +80°C
	Wet Environment	-20°C / +50°C
Using Time		45 minutes
Open Time for Pedestrian Traffic		3-7 days

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



Application Procedure

Surface preparation

It should be waited for the adhesive used for ceramic adhesive to reach the required strength. Before applying the material, it should be ensured that the ceramic surfaces are clean.

Mixing

FOX EPOXYFUGA FX142 is packaged as components in appropriate quantities. If a part of the package is to be used, Resin A / hardener B = 100/6 (by weight) is mixed. It should be mixed for at least 3 minutes with a 400 - 600 rpm mixer tip drill until a homogeneous two-component mixture is formed.



www.foxbau.com

SARTECH YAPI MALZEMELERİ SANAYİ VE TİCARET LTD. ŞTİ.

Merkez: Organize Sanayi Bölgesi 1. Kısım 7. Cadde No:6 Döşemealtı/ANTALYA

Telefon: 0(242) 221 42 50

Fax: 0(242) 221 42 55

Şube : Yaytaş Mah. Organize Sanayi 7. Cadde No:21 Yenişehir/DIYARBAKIR

Web : www.foxbau.com

E-mail : info@foxbau.com

Mixing ratios

A Component; 5 kg Epoxy resin

B Component; 0.3 kg Epoxy hardener

Note; The Hardener Component (0.3 kg) is in the resin package.

A Component; 20 kg Epoxy resin

B Component; 1.2 kg Epoxy hardener

Application

FOX EPOXYFUGA FX142 is filled into the joints with a plastic or hard rubber trowel or with the help of a mouth-loading gun. Excess material is scraped off the joints. In deep joints, the first applied material collapses in the joint. It should be ensured that the joint is fully filled. Depending on the ambient and surface temperature, it is waited for 15 to 30 minutes, the surface is cleaned with the help of a suitable sponge and hot detergent water and the joints are brought to their final shape. The sponge that gets dirty during cleaning should be changed frequently.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with warm (room temperature) water with detergent. After **FOX EPOXYFUGA FX142** hardens, it can only be cleaned from the surface by mechanical methods.

Cleaning of the Ceramics

Epoxy-based grouting materials form a film layer over the ceramics. This layer must be thoroughly cleaned. Cleaning becomes very difficult if it is delayed. The last film layer on the ceramics should be cleaned 4 to 10 hours after the application with the help of a suitable sponge and hot soapy water, 10% alcohol should be added to the final cleaning water and the surface should be wiped.

Coverage

Coverage is 1200 gr/m² for 10x10 cm ceramic and 4 mm joint width.

Watch Points

- **FOX EPOXYFUGA FX142** should be mixed mechanically, not with a trowel. Working and reaction times in epoxy resin-based systems are affected by ambient temperature, floor temperature and humidity in the air. Low temperatures slow down the reaction, extending the pan life and working time. At the same time, since the viscosity will increase, the coverage will also increase. High temperatures accelerate the reaction, shortening the working time and pan life. In order for the material to complete its curing, the ambient and ground temperature should not fall below the minimum given temperature.
- In **FOX EPOXYFUGA FX142** application, if the ambient and ground temperature is below +5°C or above +25°C, suitable temperatures should be expected. It should not be applied in extremely hot, windy and rainy weather. If the application will be made in cold weather, the packages should be conditioned in a hot environment between +20°C and +25°C in order to increase the workability of the material.
- After applying **FOX EPOXYFUGA FX142**, it should be cleaned with hot and soapy water between 15 and 30 minutes.

Special Notes

FOX EPOXYFUGA FX142 should be mixed with a suitable mixing drill.

It should never be mixed by hand or with a trowel.

Working and curing times of Epoxy Resin-based products depend on the ambient and floor temperature.

The most suitable application temperature range is 10°C -20°C.

Water and new material should never be added to the **FOX EPOXYFUGA FX142** mixture.

Colors

Grey, white, Dark Grey, Black, Beige, Bitter Brown, Transparent

Special colors can be produced at a minimum of 325 kg (minimum mixing amount) and above.

PACKAGING

5.30 kg Plastic bucket

Shelf life

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



www.foxbau.com

SARTECH YAPI MALZEMELERİ SANAYİ VE TİCARET LTD. ŞTİ.

Merkez: Organize Sanayi Bölgesi 1. Kısım 7. Cadde No:6 Döşemealtı/ANTALYA

Telefon: 0(242) 221 42 50

Fax: 0(242) 221 42 55

Şube : Yaytaş Mah. Organize Sanayi 7. Cadde No:21 Yenişehir/DIYARBAKIR

Web : www.foxbau.com

E-mail : info@foxbau.com

Storage

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

Security precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, glasses and masks in accordance with the rules of work and worker health should be used. During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of water and soap, and if swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children. For detailed information, the Material Safety Data Sheet should be consulted.

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.



www.foxbau.com

SARTECH YAPI MALZEMELERİ SANAYİ VE TİCARET LTD. ŞTİ.

Merkez: Organize Sanayi Bölgesi 1. Kısım 7. Cadde No:6 Döşemealtı/ANTALYA
Telefon: 0(242) 221 42 50 Fax: 0(242) 221 42 55
Şube : Yaytaş Mah. Organize Sanayi 7. Cadde No:21 Yenişehir/DIYARBAKIR
Web : www.foxbau.com E-mail : info@foxbau.com