

## INNO-FIX FOX EPOBOND FX143

### Epoxy Based, Two Component, Chemical Resistant, Solvent Free Adhesive Material

#### Description

**FOX EPOBOND FX143** is an epoxy resin-based, chemical-resistant, hygienic, solvent-free, easy-to-apply adhesive material used for bonding and filling joints of materials such as ceramic, marble, granite.

**It complies with TS EN 12004:1-2017 – R2T class.**

**R2T: Reaction resin based ceramic adhesive materials.**

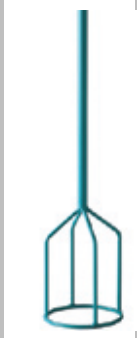
#### Usage Areas

- 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 resistant to mold and fungus.
- It can be wiped with water at room temperature.
- It is hygienic.
- It has high mechanical strength.
- Dirt-proof, easy to clean.
- Resistant to freezing - thawing cycle.
- It can be used in drinking water contact.

#### Technical Data

Structure of Material	A Component B Component	Epoxy Resin Epoxy Hardener	
Specific gravity part A+B		1,50-1,60	
Density		1,65 kg/lit	
Compressive Strength	for 1 day	≥ 30 N/mm <sup>2</sup>	
Compressive Strength	for 7 days	≥ 75 N/mm <sup>2</sup>	
Flexural Strength	for 1 day	≥ 15 N/mm <sup>2</sup>	
Flexural Strength	for 7 days	≥ 25 N/mm <sup>2</sup>	
Splice Strength	from Concrete	≥ 5,30 N/mm <sup>2</sup>	
	From Steel	≥ 3,40 N/mm <sup>2</sup>	
Water Absorption	4 hours later	< 0,10 gr	
Surface Temperature		+10°C / +25°C	
Temperature Resistance	Dry Environment	-20°C / +80°C	
Wet Environment		-20°C / +50°C	
Usage Time		35 minutes	
Opening time to pedestrian traffic		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

The surface to be applied should be dry, eroded from dust and anti-adhesive materials with strong bearing capacity. Paint etc. old coatings must be removed from the surface.

### Mixing

**FOX EPOBOND FX143** is packaged as components in appropriate quantities. It should be mixed for at least 3 minutes with a 400 - 600 rpm mixer tip drill until a two-component homogeneous mixture is formed.

### Mixing Ratios

A Component; 4,58 kg Epoxy Resin  
B Component; 0,42 kg Epoxy Hardener  
A Component; 22,88 kg Epoxy Resin  
B Component; 2,12 kg Epoxy Hardener

### Application

**FOX EPOBOND FX143**, depending on the thickness and size of the coating material to be applied, the material is applied to the surface and combed with a comb with a suitable tooth size. In order to prevent possible shortening of the working time, the material should be applied to the surface immediately after mixing. Otherwise, it may shorten the working time because the material in the container heats up on its own. In conflicting cases, preliminary trial applications should be made.

Ceramics should be adhered to the adhesive within 30 minutes at the latest. Nothing should be adhered to the exposed adhesive that has exceeded this time, and the dried material should be removed from the surface. It is recommended to use gloves in applications.

### Cleaning of Tools

Tools and equipment used after the application should be cleaned with solvent. After **FOX EPOBOND FX143** hardens, it can only be cleaned from the surface by mechanical methods.

### Coverage

Coverage is variable depending on the toothed trowel used and the application surface.

### Watch Points

- **FOX EPOBOND FX143** 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 EPOBOND FX143** 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 EPOBOND FX143**, it should be cleaned with soapy water at room temperature between 15 and 30 minutes.

### Special Warnings:

- **FOX EPOBOND FX143** must 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 - 25°C.
- Never add water and new material to the **FOX EPOBOND FX143** mixture.



### Package

5 kg set;

A Component; 4,58 kg Epoxy resin

B Component; 0,42 kg Epoxy hardener

25 kg set;

A Component; 22,88 kg Epoxy resin

B Component; 2,12 kg Epoksi hardener

### 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.

### 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 the 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.

### Safety 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 occupational and worker health rules 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 soap and water. 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 Technical Data Sheet should be consulted.

### Disclaimer

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