

INNO- CRETE FOX ECOFIX FC320

Cement Based, Fast Curing, High Strength, Self Levelling Grout Mortar

Description

FOX ECOFIX FC 320, is cement based, polymer reinforced, containing special mineral fillers and binders, can instantly plugging water leaks, is used as insulation and repair mortar, can be used in 3-5 minutes when mixed with water, completing its complete drying in 10-15 minutes, high adherence, ready for use repair and installation mortar.

In compliance with EN 1504-3 /R2.


Fields of Application

- Indoors and outdoors, vertical and horizontal applications,
- used on plugging of water leaks before insulation
- Installation of door and window casings,
- Repair of defects in the concrete,
- In filling tie-rod iron gaps,
- In repairing of cold joints and chamfering concrete edge and corner joints,
- Anchoring the non-critical load bearing elements,
- foundations,
- Basement floor curtain walls,
- Elevator wells,
- Water depots and reservoirs,
- Plugging the cavities where pressurized and unpressurized water comes from,
- In tunnels, underground structures.

Advantages

- Ready to use.
- It can be applied both in powder form or as mortar mixed with water.
- Fast curing.
- Blocks leakage and leaks.
- Insulation material can be applied on it after 10-15 minutes.
- Provides excellent adhesion to the applied surface.
- It does not contain chlorine, it does not damage the equipment.

Technical Data

Structure of the material	Special Cement, mineral fillings and polymer	
Color	Gray	
Appearance	powder	
Density	1,5 kg/lt	
Compression Strength	7 days $\geq 1,5$ N/mm ²	
Application Surface Temperature	+5°C / +30°C	
Working Time	3-5 min	
Fully Cured Time	10-15 min	

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 the Substrate

Care must be taken to ensure that the application surface is sound, carrier, dust free and clean. The surface must be decontaminated of all kinds of oil, grease, rust, pitch, paint and curing materials that will reduce adherence and must be cleaned thoroughly. Existing cracks and voids should be cut with 20 mm depth and width at right angles. Avoid creating cavities in the "V" section and sharp corner details should not be left.



Mixing

Add 1 unit of water to an average of 4.5 unit scale **FOX ECOFIX FC320**. Where very damaged and deeply repair needed areas are required, silica sand can be added at 1/2 the rate. Put the amount of **FOX ECOFIX FC320** you can consume in 3 minutes into a clean application container and mix with a sufficient amount of water. Do not mix for more than 30 seconds. Do not add any chemical or foreign substances during the mixing process.

ATTENTION: Use hot or warm water in cold weather.

Mixing Rates

For 1 kg of **FOX ECOFIX FC 320** approximately 160-180 ml of water should be used.

For 7 kg/ 1 bag of **FOX ECOFIX FC 320** approximately 1, 12-1, 26 lt of water should be used.

Application

To Insulate Cold Wall-Floor Joints in an Existing Structure

The cold joints should be opened at least 20 mm wide and deep or until reaches a solid level. Wire, wooden wedges or similar materials must be removed from the surface. Then, the inside of the opened joint should be filled with **FOX ECOFIX FC320** appropriately.

To Detect Metal Anchors and Connecting Elements to Reinforced Concrete

Anchorage cavity should be opened on the reinforced concrete surface with suitable mechanical drilling tools and more space than the diameter of the anchoring element. Then any dust and weak materials inside the cavity should be cleaned. Anchorage cavity should be saturated with water before application. Prepared anchorage cavities must be filled sufficiently with **FOX ECOFIX FC320**. Anchoring element should be placed by rotating it in the direction of its vertical axis and **FOX ECOFIX FC320**'s curing should be provided.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. FOX ECOFIX FC 320 can only be mechanically cleaned from the surface after hardening.

Consumption

Variable

Watch Points

- If **FOX ECOFIX FC320** is below + 5 ° C or above + 25 ° C in its application, a suitable temperature environment must be provided or expected.
- **FOX ECOFIX FC320** is setting as a result of rising hydration heat. Therefore, it should be kept moist for 15 minutes. This time should be 30 minutes on dry and absorbent surfaces.
- Working and reaction times of special cement based repair mortars are affected by air temperature, humidity and floor temperatures. High temperatures accelerate hydration and the working time is shortened accordingly. Low temperatures slow down hydration, and thus extend the working time. In order for the material to complete its curing, the floor temperature and ambient temperature to be applied must not fall below the minimum allowed value.
- In order to obtain the workability of the material in cold weather applications, the material should be conditioned in a hot environment at temperatures between + 20 ° C and + 25 ° C and the mixture should be prepared with hot water.

Package

7 kg polyethylene modified Kraft bag

Shelf Life

When stored properly at room temperature, away from direct sunlight, between + 5 ° C and + 30 ° C, shelf life is 6 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.





Technical Data Sheet

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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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