

INNO- CRETE FOX FASTMORTAR FC245

High Strength, Fast Curing, Repair and Filling Mortar

Description

FOX FASTMORTAR FC245 is a cement-based, high strength, fast curing repair and filling mortar that is developed for places that require high strength in a short time, containing special mineral fillers, non-shrinking, using for filling and correcting of cracks and damaged areas in the wall and floor and using for getting ready for coating.

Fields of Application

- Repair and correction of surface defects of concrete structural elements
- In surface correction or repair works before coatings such as tiles, ceramics, marble etc.
- Obtaining a solid and smooth surface before floor coatings such as epoxy, polyurethane, etc.
- It is used in sub-surface repairs before self-leveling screed applications.
- Correction of concrete surfaces before waterproofing and surface leveling of areas repaired with structural repair mortars,
- Repair of wall and ceiling plasters,
- It is used to obtain a smooth and impermeable surface before painting on concrete surfaces.

Advantages

- It gains fast resistance, it can be opened to traffic 1-1.5 hours after application.
- Is mixed only with water
- Has high compressive strength.
- Does not decompose and water vomit.
- It is resistant to freeze-thaw effect.

Technical Data

Structure of Material		Special cement and mineral filler
Color		Gray
Fresh Mortar Density		1,93 kg/lit
Compression Strength	1 day	25 N/mm ²
	7 days	35 N/mm ²
	28 days	40 N/mm ²
Bending Strength	1 days	5 N/mm ²
	7 days	7,5 N/mm ²
	28 days	10 N/ mm ²
Application Thickness		0-4 mm
Application Surface Temperature		+5°C / +25°C
Working Time		20 minutes
Walkable on		1-1,5 hours
New Coating Time		1-1,5 hours
Fully cured time		28 days

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 Substrate

The surfaces to be repaired must be robust and free from all kinds of dust and dirt. Cracked surfaces to be repaired should be steepen as much as possible. Water should be drained away from puddled surfaces. Dry surfaces should be slightly moistened

Mixing

It is strongly recommended to mix only full and unopened bags. Damaged and opened bags should never be used. The amount of suitable and clean water described on the packaging is poured into a clean mixing bowl. While **FOX FASTMORTAR FC245** is added slowly and continuously into the water, it is mixed for about 3-4 minutes until it becomes homogeneous with an electric mixer with 400 - 600 rpm and suitable mixing tip. No lumps should remain in the material.

NOTE: Mixing times must be strictly observed before required consistency checks. The consistency should not be provided by adding additional water.

Mixing Rates

Approximately 190 ml of water should be used for 1 kg of **FOX FASTMORTAR FC245**.

Approximately 4,75 lt of water should be used for 25 kg / 1 bag **FOX FASTMORTAR FC245**.

Application

The prepared mortar; It is applied in a single layer with the help of a trowel in a thickness of 1 mm to 5 mm. When there are large areas or fillings, sand which is 0-4 mm thickness and rates of 1:3 can be added to the material.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. **FOX FASTMORTAR FC245** can only be mechanically cleaned from the surface after hardening

Coverage

To obtain 1 mm thickness, approximately 1,60 kg / m² powder product should be used.

Watch Points

- Mixed only with water.
- **FOX FASTMORTAR FC245** should be applied within 20 minutes at +20°C.
- 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.

Package

25 kg polythene craft 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.

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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