

INNO- CRETE FOX SLIM MORTAR FC105

Cement based, Ready to use, Slim Repair Mortar

Description

FOX SLIM MORTAR FC105 is cement based, polymer modified, one component, ready to use, slim mortar.

In compliance with EN1504-3 standard /R2 class

Fields of Application

- Superficial repair and correction of concrete construction elements,
- Repairing and plastering of walls and ceilings,
- Used in surface repairing before tile and ceramic application.

Advantages

- Mixed with water, easy to apply.
- Applicable to all concrete surfaces.
- Do not shrink.
- Provides high adherence to concrete and plastered surfaces.
- Provides smooth surface finish.
- Highly thixotropic.
- Resistant to thaw and frost effect.
- Used in inside and outside, horizontal and vertical applications.

Technical Data

| | | | |
|---------------------------------|---|--------|-----------------------|
| Structure of Material | Mineral fillings, polymer reinforced special cement | | |
| Density | 2,00 kg/lt | | |
| Color | Gray | | |
| Compression Strength | TSEN12190 | 28days | 30 N/mm ² |
| Bending Strength | TSEN12190 | 28days | 8,5 N/mm ² |
| Bond Strength | TSEN1542 on concrete | 28days | 1 N/mm ² |
| Application Thickness | 1 mm-5 mm | | |
| Application Surface Temperature | +5°C / +30°C | | |
| Working Time | 30 minutes | | |
| 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 the Substrate

The surfaces to be repaired must be robust and free from all kinds of dust and dirt. FOX MORTAR FC188 T should be used in places where the repair depth is more than 5 mm. The surface should be wetted with water before application, but ponding should not be allowed. If the coating material loses its water and gets a matte appearance during the application, it is understood that the surface is not wetted sufficiently or it dries fast. In cases where such air is hot or materials stay in the wind, the mixing water is increased by 10%.

Mixing

The appropriate amount of water described on the packaging is poured into a clean mixing bowl. While **FOX SLIM MORTAR FC105** is added slowly into the water, it is mixed with an electric mixer with 400-600 rpm and suitable mixing tip for about 4 minutes until a homogenous mixture is obtained. No lumps should remain in the material. After the material is rested for about 3 minutes, it is mixed again for 30 seconds and made ready for application.



Mixing Rates

Approximately 220 ml of water should be used for 1 kg of **FOX SLIM MORTAR FC105**.

Approximately 5.50 lt of water should be used for 25 kg/1 bag **FOX SLIM MORTAR FC105**.

Application

The prepared mixture is applied with a trowel in a single thickness of 1-5 mm. After the mortar sets, water is sprinkled on the surface and the surface is leveled with sponge, wood or steel trowel.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. **FOX SLIM MORTAR FC105** can only be mechanically cleaned from the surface after hardening.

Coverage

To obtain 1 mm thickness, approximately 1.40 kg/m² powder product should be used.

Watch Points

- Repair mortar should be applied within 30 minutes at +20°C. This time decreases to 20 minutes at +30°C.
- In exterior surface applications, the surface should be protected from sun, wind, rain and frost for the first 24 hours after application.
- 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 12 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

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.

