

INNO-FIX FOX CERA FX105

Cement Based, Tile and Ceramic Adhesive

Description

FOX CERA FX105 is a cement-based, high-stability tile and ceramic adhesive that can be used horizontally indoors and outdoors.

In compliance with TS EN 12004-1:2017 C1 standards.
Ministry of Public Works and Settlement Item No: 04.013/1

C1: Cement Based Normal Hardened Adhesive

Fields of Application

- Indoors and outdoors, horizontal applications,
- In all kinds of concrete screed, plaster, screed and cement based surfaces,
- In laying of coating materials such as ceramics and tiles that is with small and medium-sized and water absorption rate of more than 3%,
- It is used in coating materials of maximum 33cm * 33cm size.

Advantages

- Only mixes with water.
- Easily prepared and applied.
- Has an ideal application time.
- Does not slip in vertical applications.
- Economical.

Technical Data

Structure of Material	Special Cement, Mineral Filler, Polymer Additive
Density	1,80 kg/lt
Color	Gray
Bond Strength 28 days	≥0,5 N/mm ²
Application Thickness	Between 3-8 mm
Application Surface Temperature	+5°C / +35°C
Service Temperature	-25°C / + 70°C
Initial Curing Time	5-10 minutes
Working Time	1 hours
Open Waiting Time	20 minutes
Wettability	Min. %90
Grouting Application	24 hours later
Time of Walkable on it	24 hours later
Fire Reaction Class	A1



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

For cement based surfaces, the surfaces to be applied must be sound and free from dust and dirt of any kind and must be in balance. Areas requiring repairs should be repaired with **INNO-CRETE** series repair mortars at least 1 day before. If the surface temperature is above +20°C, the surface should be slightly moistened.

Mixing

The appropriate amount of water described on the package is poured into a clean mixing container. **FOX CERA FX105** bag is opened and added slowly into the water. It is mixed for about 3-4 minutes until it is homogenous with 400 - 600 rpm mixing drill. There should be no lumps in the material. After the material is rested for about 3 minutes, it is mixed again for 1 minute and made ready for application.



Mixing Rates

Approximately 6,50±0,25 lt of water should be used for 25 kg/1 bag **FOX CERA FX105 Gray**.

Approximately 260±10 ml of water should be used for 1 bag **FOX CERA FX105 Gray**.

Application

The **FOX CERA FX105** layer is applied to the application surface with the flat side of the fleece with a thickness of 1 mm. **FOX CERA FX105** is pulled in one direction to obtain a uniform thickness with the gear side of the trowel to the large area which can be covered in 20 minutes with open waiting time. It is recommended to apply **FOX CERA FX105** at a thickness of 1 mm behind each ceramic or granite in order to close the gaps in the application surface when gluing ceramic or granites with different thicknesses. When applying ceramics or granites to the surface, the coating materials are floated in the mortar to ensure complete contact of the adhesive mortar. Application is completed with recommended joint spacing according to suitable ceramic and granite sizes. **FOX INNO-FIX** Series joint fillings should be used to fill the removed joint spacing. Joint application can be completed after about 24 hours.

Applicability Test

Open waiting time should be checked for ceramic applicability test on the adhesive. The finger is pressed on the adhesive on the applied surface. If the adhesive spreads on the finger, the application of adhering the ceramics and tiles is continued. If the adhesive does not spread on the finger, the application time of the adhesive has passed. In this case, the adhesive should be scraped off the surface and new adhesive should be applied.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. **FOX CERA FX105** can only be mechanically cleaned from the surface after hardening.

Coverage

Coverage varies on between 3.5 - 6 kg/m² according to the tooth thickness of the ceramic comb to be used.

Watch Points

- In **FOX CERA FX105** application, if the ambient and surface temperature is below +5°C or above +35°C, suitable temperatures should be expected. It should not be applied in extremely hot, rainy and very windy weather.
- In outdoor applications, the application area should be protected from sun, rain, wind and frost for the first 24 hours.
- Working and reaction times of ceramic adhesive 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.



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