

INNO-FLOOR FOX SSL®80

Cement Based, Self Levelling, High Strength, Ready to Use Levelling Screed

Description

FOX SSL®80 is a cement based, self-levelling, reinforced with steel fiber, ready to use, high strength levelling screed that can be applied up to 5-50 mm thickness, used as undercoat and topcoat.

Fields of Application

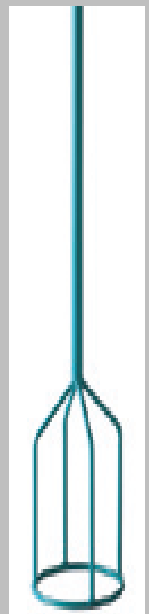
- Hospitals,
- Industrial floors,
- Magazines and showrooms,
- Schools,
- Offices,
- Hotels, restaurants, cafes,
- Apartments,
- Supermarkets,
- Shopping malls,
- In the levelling and removal of rough concrete surfaces,
- Prior to decorative coatings in homes and commercial areas,
- Before adhering ceramic, marble, natural stone, parquet, carpet and PVC coatings, in levelling of rough surface screeds.

Advantages

- Can be used in interior and exterior.
- High Strength.
- Cures fast.
- Can be applied by pumping.
- Easy and fast application.
- Can be used as topcoat.
- Can be polished.
- Economic.
- Mixes only with water.
- Self-levelling.

Technical Features

Structure of the Material		Mineral fillings and polymer reinforced special cement
Colour		Grey
Dry Density		1,35 gr/cm ³
Mortar Density		2,02 gr/cm ³
Spreading		26 cm
Working Time		30-60 dk.
Application Thickness		5 - 50 mm
Application Surface Temperature		+5°C / +25°C
Pedestrian Traffic after		~ 3-4 hours
Over coating time;		
For coatings open for diffusion		~1 day
For coatings closed to diffusion;		
up to -10 mm		~1 day
up to -30 mm		~3 days
up to -50 mm		~7 days
Compressive Strength	3 days	6,7 N/mm ²
Compressive Strength	7 days	10,1 N/mm ²
Compressive Strength	28 days	27,4 N/mm ²
Tensile Strength	3 days	2,7 N/mm ²
Tensile Strength	7 days	3,3 N/mm ²
Tensile Strength	28 days	7,6 N/mm ²
Suitability for under floor Heating		Suitable
Suitability to Moving Chair		Suitable



The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures increase the time.



Surface Quality

Concrete substrates to be applied must have a strong and sufficient compressive strength (at least 25 N/mm²), tensile strength at least 1,5 N/mm², humidity should be maximum 4%, ground temperature minimum + 8°C. In addition, it should be noted that the dew point of the ground must be above + 3°C. The substrate must be clean, dry and free from any foreign matter such as dirt, oil, grease, coating, surface curing materials etc. that will prevent adhesion to the surface.

Application Procedure

Substrate Preparation

Concrete substrates to be applied should be prepared in a way to obtain an open porous surface by removing cement grout using abrasive equipment (Shot blasting, milling, diamond polishing, etc.). Weak concrete pieces should be removed from the surface, small gaps, holes should be made completely open. The resulting dust should be cleaned with the help of an industrial vacuum cleaner.

Mixing

Place the amount of water indicated on the package in a clean mixing bowl. Slowly add the **FOX SSL®80** into the water, stirring for 3-4 minutes at 600/1000 rpm until you get a homogeneous mixture with the electric mixer and the appropriate mixing tip. Clumping of material at the bottom of the bucket should not be allowed and these pellets should be distributed. After waiting for about 1 minute, mix it for another minute and make it ready for use.

Mixing Ratios

For 25 kg / 1 bag of **FOX SSL®80** approximately 5,25±0, 25 lt of water should be used.

For 1 kg of **FOX SSL®80** approximately 210±10 ml of water should be used.

Application

Primer

FOX SSL®80 should be primed to increase the adherence of the levelling screed to the floor, to reduce air bubbles and prevent the absorption of the mixing liquid from the ground. In primer selection, surface properties should be examined and the time requirement should be calculated. According to the ground structure, the surface should be primed with **EPOTHANE®** series suitable primer, while the material is still wet, it should be sprinkled with silica sand 40-45 Afs (0.2-0.5 mm) and a **minimum of 12 hours** (24 hours depending on weather conditions) should be allowed to dry. After the excess residues on the surface are scrapped with scraper, the non-stick sand should be cleaned with the help of an industrial vacuum cleaner and **FOX PRIMERA FL220** primer application should be started.

Coating

FOX SSL®80 is poured on the surface, applied with a comb or a suitable trowel in the desired thickness. If necessary, it can be passed over the surface with a spiked roller or alternatively, when the **FOX SSL®80** is wet, the pattern can be applied with the appropriate trowel or hand tool according to the desired decoration. **FOX SSL®80** can be applied up to 50 mm thickness in one go. Application thickness should be at least 5 mm on solid and dense subfloors. It can be applied by adding 250 ml Rocktop B component into the mixture water in 1 bag **FOX SSL®80** on non-solid substrates. The material can be applied up to 10 mm thickness without adding sand at a time. The below table should be taken into account for thicknesses over 10 mm.

Mixing Ratios with Sand

Application Thickness	Sand Gradation	Amount to be Added (by Weight)
50 mm	0-5 mm	30%
30 mm	0,7-1,2 mm	30%
20 mm	0,3-0,8 mm	30%

Cleaning of the Tools

After the application, the tools and equipment used should be cleaned with water. **FOX DOMINO® MULTI FD780** can only be removed from the surface mechanically after it hardens.

Coverage

To obtain 1 mm thickness, 2,00 kg/m² **FOX SSL®80** should be used.



Watch Points

In the application of **FOX SSL®80**, if the ambient and surface temperature is below +5°C or above +25°C, suitable temperatures should be expected. Applied fresh product should be protected from sunlight and wind so as not to dry quickly. Application should not be made in extremely hot, rainy or windy weather. Materials to be used in the application area should be brought and stored 1-2 days in advance and adapted to the ambient conditions. In applications to be carried out in extreme cold weather, the environment and ground temperature should be increased with heaters, and the materials to be used should be conditioned at +20°C - +25°C and made ready for application. Working and reaction times of cement based systems are affected by the ambient and ground temperature and relative humidity in the air. At low temperatures, the reaction slows down, which increases pan (pot) life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly. For the material to complete its curing, the ambient and ground temperature should not fall below the minimum allowed value. After mixing, the material should be rested and then mixed again.

Package

25 Kg Polyethylene reinforced kraft bag

Shelf Life

It is 12 months from the production date under suitable storage conditions. Opened packages should be consumed within 1 week by closing their mouths.

Storage

It 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 basis. 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, it should not be contacted with the skin and eyes, should be washed immediately with plenty of water and soap, and if swallowed, seek medical attention immediately. Food and drink materials should not be brought to the application areas. It should be stored out of the reach of children. For detailed information, please refer to the Material Safety Data Sheet.

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