

## INNO-FLOOR FOX SSL® 810

### Cement and Synthetic Dispersion Polymer Based, One Component, High Performance Self Leveling Floor Leveling Screed

#### Description

FOX SSL®810 Cement and Synthetic Polymer Based, one-component, high performance, sandpaperable, self-leveling, floor leveling screed that can be applied up to 1-10 mm thickness.

#### Provides EN 13813 standard CT-C25-F5 conditions.

CT: Cement Based

C25:  $\geq 25$  N/mm<sup>2</sup> Compressive Strength

F5:  $\geq 5$  N/mm<sup>2</sup> Tensile Strength

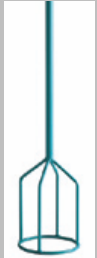
#### Fields of Application

- Hospitals,
- Magazines,
- Schools and administration offices,
- Hotels,
- Residences,
- Supermarkets,
- Shopping malls,
- For leveling and removing defects of crude and rough concrete surfaces,
- For leveling rough surface screeds before bonding ceramic, marble, natural stone, parquet, carpet and PVC coatings.

#### Advantages

- Can be applied by pump.
- It has a smooth and perfectly finished surface texture
- Provides fast and easy application.
- Does not shrink, nor dust.
- Self levelling and balancing itself.
- Economic.
- Mixes only with water.

#### Technical Data

Structure of the material				Mineral fillers and special polymer fillers	
Color				Grey	
Dry Density				1,30±0,05 kg/lit	
Fresh Mortar Density				2,00±0,05 kg/lit	
Compressive Strength	TS EN 13892-2	28 days	$\geq 28$ N/mm <sup>2</sup>		
Compressive Strength	TS EN 13892-2	7 days	$\geq 16,5$ N/mm <sup>2</sup>		
Compressive Strength	TS EN 13892-2	3 days	$\geq 8,5$ N/mm <sup>2</sup>		
Tensile Strength	TS EN 13892-2	28 days	$\geq 8$ N/mm <sup>2</sup>		
Tensile Strength	TS EN 13892-2	7 days	$\geq 5,5$ N/mm <sup>2</sup>		
Tensile Strength	TS EN 13892-2	3 days	$\geq 3,5$ N/mm <sup>2</sup>		
Breaking Strength	TS EN 12190	28 days	$\geq 2$ N/mm <sup>2</sup>		
Application Surface Temperature					+8°C / +30°C
Spread					25±1 cm
Working Time					30 min.
Application Thickness				1-10 mm	
Open for Pedestrian Traffic				3-4 hours	
Over Coating after				24 hours*	

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

\*The coating time on 5 mm and above thicknesses is between 36-48 hours.



## Surface Quality

The concrete substrates on which the application will be made must be strong and have sufficient compressive strength (minimum 25 N/mm<sup>2</sup>), tensile strength must be at least 1,5 N/mm<sup>2</sup>, humidity ratio must be maximum 4%, ground temperature must be minimum +8°C. In addition, care should be taken to ensure that the dew point of the floor is above +3°C. The substrate must be clean, dry and free of all kinds of dirt, oil, grease, coating and surface curing materials, etc..

## Application Procedure

### Substrate Preparation

Concrete substrates on which the application will be made should be prepared using abrasive equipment (Shot Blasting, milling cutter, diamond grinding, etc.) to remove the cement grout and obtain an open porous surface. Weak concrete pieces should be removed from the surface, small gaps and holes should be made completely open. The resulting dust should be cleaned with the help of industrial vacuum cleaner.

### Mixing

Pour the amount of water indicated on the packaging into a clean mixing bowl. Add **FOX SSL®810** slowly into the water and mix for 3-4 minutes until you get a homogeneous mixture with an electric mixer and a suitable mixing tip. The material should not be allowed to clump at the bottom of the bucket and these lumps should be dispersed. After waiting for about 2 minutes, mix for 1 more minute and make it ready for use.

### Mixing Ratios

For 25 kg / 1 bag of **FOX SSL®810** approximately 5,00±0,25 lt of water should be used.

For 1 kg of **FOX SSL®810** approximately 200±10 ml of water should be used.

## Application

### Primer

The floor should be primed in order to increase the adherence of the **FOX SSL®810** leveling screed to the floor, to reduce the air bubbles that will form and to prevent the mixing liquid from being absorbed by the floor. In the selection of primer, the surface properties should be examined and the time requirement should be calculated. **FOX PRIMERA® FL220** or **FOX UNIPRIMER FL555** primer, selected according to needs, is mixed with water at a ratio of 1/1 and applied with a brush or roller. 2nd layer is applied on very absorbent surfaces. After the primer has dried, **FOX SSL®810** can be applied.

### Coating

**FOX SSL®810** is poured onto the surface and applied at the desired thickness with a comb or a suitable trowel. When the coating reaches the appropriate consistency, a spiked roller should be applied and its air should be removed. Hedgehog roller traces may remain on the surface in case of being late for the spiked roller application.

### Cleaning of the Tools

After the application, the tools and equipment used should be cleaned with water. **FOX SSL®810** can only be mechanically cleaned from the surface after hardening.

### Coverage

In order to obtain 1 mm thickness, 1,7 kg/m<sup>2</sup> of **FOX SSL®810** mixture should be used.

### Watch Points

- In the application of **FOX SSL®810**, if the ambient and surface temperature is below +8°C or above +30°C, suitable temperatures should be expected.
- Do not apply in extremely hot, rainy or windy weather.
- The materials to be used in the application area should be brought and stored 1-2 days in advance and it should be ensured that they adapt to the ambient conditions.
- In applications to be made in extremely cold weather, the ambient and floor temperature should be increased with heaters, and the materials to be used should be conditioned at +20°C / +25°C to make them ready for application.
- Working and reaction times of cement-based systems are affected by ambient and ground temperature and relative humidity in the air. The reaction slows down at low temperatures, which extends pan (pot) life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly.
- In order for the material to complete its curing, the ambient and ground temperature must not fall below the minimum allowable temperature. After mixing, the material should be rested and then mixed again. After applying **FOX SSL®810**, wait at least 3 days before applying another coating.

### Package

25 kg Kraft bag



### Shelf Life

12 months from the date of manufacture under suitable storage conditions. Opened packages should be closed and consumed within 1 week. **FOX SSL®810** freezes at temperatures below 0°C. Opened packages should be kept tightly closed and stored under appropriate storage conditions.

### Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. In short-term storage, maximum 2 pallets should be placed on top of each other and the shipment should be made on a 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, 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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