

# INNO-FLOOR FOX SSL® 65

## Cement based, ready to use, self-levelling screed

### Description

**FOX SSL® 65**, is a cement-based, ready-to-use, self-levelling screed that can be applied up to 1-10 mm thickness, under coating.

### It meets the requirements of EN 13813:2002 standard CT-C20-F4-A22.

CT : Cement Based

C20 :  $\geq 20$  N/mm<sup>2</sup> Compressive Strength

F4 :  $\geq 4$  N/mm<sup>2</sup> Flexural Strength

A22 : Abrasion resistance - 22 cm<sup>3</sup> /50 cm<sup>2</sup> according to Böhme

### Fields of Application

- Hospitals
- In shops
- School and administrative buildings,
- Hotels
- Apartments,
- In supermarkets,
- Shopping centers,
- Levelling and removal of rough and uneven concrete surfaces,
- For levelling screeds with uneven surfaces prior to bonding tile, marble, natural stone, parquet, carpet and PVC coatings.

### Advantages

- Can be applied with a pump.
- Provides fast and easy application.
- Economical.
- It is mixed only with water.
- (Self levelling) spreads and levelling by itself.

### Technical Properties

Material Structure			Mineral fillers and polymer reinforced special cement
Color			Grey
Dry Density			1,30±0,05 kg/lit
Fresh Mortar Density			2,00±0,05 kg/lit
Compressive Strength	EN 13892-2	28 days	$\geq 20$ N/mm <sup>2</sup>
Compressive Strength	EN 13892-2	7 days	$\geq 9$ N/mm <sup>2</sup>
Compressive Strength	EN 13892-2	3 days	$\geq 8,5$ N/mm <sup>2</sup>
Flexural Strength	EN 13892-2	28 days	$\geq 6$ N/mm <sup>2</sup>
Flexural Strength	EN 13892-2	7 days	$\geq 3$ N/mm <sup>2</sup>
Flexural Strength	EN 13892-2	3 days	$\geq 3,5$ N/mm <sup>2</sup>
Breaking Strength	EN 12190	28 days	$\geq 2$ N/mm <sup>2</sup>
Ground Temperature			+10°C /+30°C
Leveling			25±1 cm
Working time			30 min.
Application Thickness			1 - 10 mm
Walkability Time			3-4 hours*
Over Coating			24 hours*

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

\*Coating time for thicknesses of 5 mm and above is between 36-48 hours.

### Surface Quality

Concrete surfaces to be applied must be solid and have sufficient compressive strength (at least 25 N/mm<sup>2</sup>). Tensile strength must be at least 1,5 N/mm<sup>2</sup>, humidity must be maximum 4%, ground temperature must be minimum +10°C. Also make sure that the dew point of the floor is above +3°C. The surface must be clean, dry and free from foreign materials such as dirt, oil, grease, coating and surface curing materials etc.



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## Application Procedure

### Substrate Preparation

Concrete surfaces to be applied should be prepared using abrasive equipment (sandblasting, milling, diamond wiping, etc.) to remove 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 an industrial vacuum cleaner.

### Mixing

Pour the amount of water indicated on the packaging into a clean mixing bowl. Slowly add **FOX SSL® 65** to the water and mix for 3-4 minutes with an electric mixer and suitable mixing tip until a homogeneous mixture is obtained. Do not allow any lumps to remain at the bottom of the bucket and disperse these lumps. After waiting for about 2 minutes, mix for another 1 minute and it is ready to use.

### Mixing Ratios

Approximately 5,00±0,25 litres of water should be used for 25 kg / 1 bag **FOX SSL® 65**

Approximately 200±10 ml of water should be used for 1 kg **FOX SSL® 65**

## Application

### Primer

**FOX SSL® 65**, the floor should be primed to increase the adherence of the levelling screed to the floor, reduce the air bubbles to be formed and prevent the absorption of the mixture liquid by the floor. In primer selection, surface properties should be examined and time requirement should be calculated. **FOX PRIMERA® FL220** or **FOX UNIPRIMER FL555** primer selected according to the need is mixed with water at a ratio of 1/1 and applied by brush or roller. On very absorbent surfaces, 2nd coat application should be made. After the primer dries, **FOX SSL® 65** application can be started.

### Coating

**FOX SSL® 65** is poured onto the surface and applied in the desired thickness with a comb or suitable trowel. When the coating reaches the appropriate consistency, a spiked roller application should be made and the air should be removed. If it is late in spiked roller application, spiked roller marks may remain on the surface.

### Cleaning of Tools

Tools and equipment used after the application should be cleaned with water. After **FOX SSL® 65** hardens, it can only be mechanically removed from the surface.

### Consumption

1.70 kg/m<sup>2</sup> **FOX SSL® 65** should be used for 1 mm. thickness.

### Watch Points

When applying **FOX SSL® 65** if the ambient and surface temperature is below +10°C or above +30°C, suitable temperatures should be expected. Application should not be made in extremely hot, rainy or windy weather. The materials to be used should be brought to the application area 1-2 days in advance, stored and made suitable for the ambient conditions. For applications to be made in extremely cold weather, the ambient and ground temperature should be increased with heaters, the materials to be used should be conditioned at +20°C - +25°C and made ready for application. The working and reaction times of cement-based systems are affected by ambient and ground temperature and relative humidity in the air. At low temperatures, the reaction slows down, which prolongs the life and working time of the pan (container). High temperatures accelerate the reaction and the above mentioned times are shortened accordingly. In order for the material to complete its curing, the ambient and ground temperature should not fall below the minimum permitted temperature. After mixing, the material should be rested and then mixed again. After **FOX SSL® 65** application, it should be waited at least 3 days to apply another coating on it.

### Package

25 Kg polythene reinforced kraft bag

### Shelf Life

12 months from the date of production under appropriate storage conditions. Opened packages should be closed and consumed within 1 week.

### Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, maximum 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out system. For long term storage, pallets should not be stacked 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.

### Disclaimer

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