

INNO-FLOOR FOX SSL® 138 SCREED BINDER

Screed cement curing in 4 hours

Description

FOX SSL® 138 SCREED BINDER is a fast-curing screed cement that can be used indoors and outdoors, can be walked on after 4 hours and can be coated with materials such as ceramic and natural stone.

In compliance with TS EN 13813:2004 standard CT-C40-F5 class.

CT: Cementitious Screed Material

C40: ≥40 N/mm² Compressive strength

F5: ≥5 N/mm² Flexural strength

Fields of Application

- Indoor and outdoor,
- Under elastic and textile based materials such as parquet, PVC, carpet,
- Under-ceramic tile,
- Under natural stone and concrete,
- On floors with underfloor heating,
- In areas subject to medium / light traffic loads,
- Schools, Kindergartens,
- Shopping centers,
- In supermarkets,
- In stores and showrooms,
- Hotel

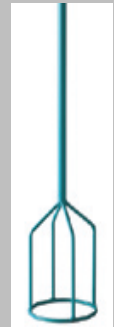
Advantages

- Easy to apply.
- High amount of filler can be added into it.
- High abrasion resistance.
- After 4 hours, it can be walked on and covered with ceramic and natural stone.
- After 2 days, elastic and textile-based materials such as parquet, PVC, carpet can be coated on it.
- Does not contain volatile organic substance (VOC-solvent).

Technical Features

Dry Density			1,40 gr/cm ³
Fresh Mortar Density			1,98 gr/cm ³
Compressive Strength	TS EN 196	1 day	≥25 N/mm ²
	TS EN 196	7 days	≥40 N/mm ²
	TS EN 196	28 days	≥45 N/mm ²
Flexural Strength	TS EN 196	1 day	≥4,0 N/mm ²
	TS EN 196	7 days	≥5,5 N/mm ²
	TS EN 196	28 days	≥6,0 N/mm ²
Application Surface Temperature			+10°C /+30°C
Working time			60 minutes
Recommended Thickness; Screed built over insulation			min.40 mm
Recommended Thickness; Screed built over separator layers			min.35 mm
Recommended Thickness; Screeds built over concrete new/old			min.10 mm

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



Application Procedure

Mixing

Pour the amount of water indicated on the package into a clean mixing bowl. Slowly add **FOX SSL® 138 SCREED BINDER** into the water and mix it with an electric mixer and a suitable mixing tip for 3-4 minutes at 600/1000 rpm until a homogenous mixture is obtained. Lumps of the material should not be allowed at the bottom of the bucket and these lumps should be dispersed. After waiting for about 1 minute, mix it for another 1 minute and put it into use.



Mixing Rates

Mixing Rate for 150 kg;

* 25 kg **FOX SSL® 138 SCREED BINDER**

* 125 kg 0-8 mm sand

* 6-11 lt water (The water rate may vary depending on the moisture and wetness of the sand. It is absolutely necessary to experiment.)

For 25 kg/1 bag of **FOX SSL® 138 SCREED BINDER** approximately 6-11 lt water should be used.

For 1 kg of **FOX SSL® 138 SCREED BINDER** approximately 240-440 mL water should be used.

Application

While preparing the mixture, the container or the chamber of the machine to be mixed should not be filled completely and only the level limits of the manufacturer brand should be considered, otherwise the mixing ratios may not be as desired. No additional additives such as plasticizer or any other cement should be added to the mixture. The application time of **FOX SSL® 138 SCREED BINDER** is approximately 1 hour, mixing, conveying, spreading, gauging and polishing should be done one after the other. During this period, the application areas should be determined well and the material should be prepared accordingly. High temperatures reduce the application time. Low temperatures increase it.

Finish and starting points of screeds or partial areas, nails etc. It must be interconnected with fasteners. Depending on the condition of the floor and place, joints or dilatations that should be made under normal conditions must be made.

In underfloor heating systems, **FOX SSL® 138 SCREED BINDER** significantly shortens the drying time of the screed, which can reach up to 2 weeks. Heating can be started 3 days after the application. Heating temperature for 3 days should be +25°C. Then, it should be adjusted to the maximum temperature and wait 4 days in this way. During the coating to be made on the screed, the surface temperature should not fall below 15 degrees.

FOX SSL® 138 SCREED BINDER, ceramics etc. after 4 hours. becomes ready for coatings. However, since 100% of the strength is not reached, machinery, pallets, etc. heavy loads should not be placed on the screed. Parquet, carpet, PVC etc. Wait about 2 days for elastic and textile coatings. A CM measuring instrument can be used to measure the moisture content of the screed. In order to reach these times correctly, the water / cement ratio should be approximately 0.44. During application and waiting, the ambient temperature should be above +10°C, and the ambient humidity should be less than 70%. The manometer pressure in the CM gauge should be read after about 10-15 minutes.

Cleaning of the Tools

After the application, used tools and equipment should be cleaned immediately with water.

Coverage

To obtain 10 mm thickness;

approximately 3 kg/m² **FOX SSL® 138 SCREED BINDER**

15 kg/m² 0-5 mm sand

Watch Points

- It is mixed with only water.
- **FOX SSL® 138 SCREED BINDER** should be applied within 60 minutes at 20°C.
- Working and reaction times of cement based systems are affected by the environment and ground temperature and relative humidity in the air.
- In outdoor applications, the surface must be protected from sun, wind, rain or frost for the first 24 hours after the application. In such cases, polyethylene cover or FOX ACURE FR 570 should be applied.
- In cold weather applications, it should be ensured that the ambient and ground temperature is increased, the packages should be kept ready for use at +20°C -25°C to increase the workability of the products.
- Rain, dust, wind, animals and insects should be prevented from entering the building when the coating is fresh.
- Consumptions are given for ideal conditions where ambient and surface temperature is accepted as 20 ° C. Actual consumption may vary depending on the surface structure and ambient temperature. It should not be forgotten that the consumption will increase in damaged surfaces and cold weather conditions

Package

25 kg Polyethylene reinforced kraft bag



Shelf Life

When stored properly at room temperature, away from direct sunlight between +5°C and +30°C, its shelf life is 6 months from the date of production.

Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. For short term storage, maximum 3 palettes should be placed on top of each other and the shipment should be made on a first in, first out system. Palettes should not be placed on top of each other during long term storage.

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

The data contained in this technical document is based on our scientific and practical knowledge. SARTECH Yapı Malzemeleri San. & Tic. Ltd. Sti is only responsible for the quality of the product. Except for the written suggestions about where and how the product will be used and / or results that may occur due to misuse, SARTECH Yapı Malzemeleri San. & Tic. Ltd. Sti cannot be held responsible. The responsibility for the correct application of our product lies with the user. Our company is only responsible for the quality of the product. This catalogue invalidates the information in the previous catalogue. Our company has the right to make changes in all kinds of information and content details in this catalogue. It is essential to check that the information in the catalogue is current and valid. All rights reserved.

