

INNO-FLOOR FOX HARDTOP® SI PREMIUM FF844

Silicate and Silane Based, Dustproof, Water-Based, Water-Repellent, Reduces and Prevents Stain Formation, Liquid Concrete Surface Hardener

Description

FOX HARDTOP® SI PREMIUM FF844, Silicate and Silane Based, liquid concrete surface hardener that provides dust repellency in new and old concrete, has water repellent properties, and reduces and prevents stain formation.

Fields of Application

- In fresh and old concretes,
- In applications where mechanical cleaning will be performed,
- Shopping malls,
- Supermarkets,
- Parking lots,
- Airport Hangars,
- Warehouses,
- Distribution Centers,
- Production Facilities,
- Schools and Universities,
- Hospital and Pharmaceutical Industry
- Offices,
- Factories

Advantages

- It has high silicate and silane content.
- The solid material is 100% active substance.
- It has water repellent properties.
- Stain retention ability is reduced.
- It has fast hardening and dust-free properties.
- Can be applied to old and new concrete.
- It has excellent penetration.
- Increases wear resistance by 20-50%.
- It prevents ASR reactions that cause superficial cracks.
- Stain and water resistant.
- It has the feature of being applied very quickly.
- It is environmentally friendly and complies with LEED and BREEAM standards.

Technical Properties

Density	1,1 gr/cm ³
Color	Transparant
Total Solid Material Ratio	13±1%
Active Ingredient Ratio	100%
Dilution	None
Application Surface Temperature	+5°C / +35°C

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

Surface Quality

The substrates to be applied must be sound, clean, dry and free from all kinds of foreign substances such as dirt, oil, grease, coating and surface curing materials. The ground temperature should be 5°C and above.

Application Procedure

Surface Preparation

The substrates to be applied must be sound, clean, dry and free from all kinds of foreign substances such as dirt, oil, grease, coating and surface curing materials.



Application Conditions

- The application surface, material and ambient temperature must be between +5°C and 35°C.
- After application, the temperature should be above 5°C for at least 4 hours.
- In hot conditions, it may be necessary to spray water on hot concrete to cool the surface before application.
- Protect from contact with metal, glass, wood, paint or brick. If these surfaces are accidentally applied, the surface should be washed immediately with clean water.

Mixing

FOX HARDTOP® SI PREMIUM FF844, since it is a one component, it is ready to use.

Application

FOX HARDTOP® SI PREMIUM FF844 can be applied to freshly poured concrete surfaces, no preliminary preparation is required. Remove all dirt, debris and debris from the existing concrete surface. Wait for the cleaned surfaces to dry. Prepare the surface with polishing and polishing machines and diamond discs or cleaning and maintenance pads. Before applying **FOX HARDTOP® SI PREMIUM FF844**, the polishing/honing/polishing level is 100-400 grit. Apply the surface with a soft white polishing pad (mop) using a low pressure sprayer. Make sure that the application is made to the entire surface without any gaps.

Spread **FOX HARDTOP® SI PREMIUM FF844** with a pre-moistened polishing pad (mop). Reapply on areas that have dried before 10 minutes. Wait for the applied surfaces to dry completely. If the application is to be made on freshly poured concrete, it can be applied immediately.

Continue polishing with 800/3000 grit resin pads, depending on the desired gloss level on the existing concrete surface. Once the surface is dry, it is ready for use, but the reaction may take up to two weeks to complete depending on temperature and weather conditions.

Cleaning of Tools

After application, the tools and equipment used should be cleaned with solvent or polyurethane thinner. After **FOX HARDTOP® SI PREMIUM FF844** hardens, it can only be cleaned from the surface by mechanical methods.

Consumption

Approximately 40-100 gr/m² (in 2 layers) for fresh concrete

Approximately 60-150 gr/m² (in 2 layers) for hardened polished concrete

Approximately 50-150 gr/m² (in 2 layers) for polished/honed concrete

Watch Points

- The materials to be used must be brought to the application site 1-2 days in advance and must adapt to the environmental conditions.
- Rain, dust, wind, animals and insects should be prevented from entering the building while the coating is fresh.
- After the application is completed, the coating should be protected from direct water contact for at least 72 hours. If there is water contact, the coating will soften and swell, which will cause the coating to lose its properties. Therefore, the coating must be completely removed and rebuilt.
- Consumptions are given for ideal conditions where the ambient and surface temperature is assumed to be 20°C. Actual consumptions may vary depending on surface structure and ambient temperature. It should not be forgotten that consumption will increase on damaged surfaces and cold weather conditions.

Package

30 kg/bin

Shelf Life

When stored correctly at room temperature, between +5°C and +35°C, away from direct sunlight, the shelf life is 12 months from the date of production.

Storage

It should be stored in its unopened original packaging, in a cool and dry environment, away from direct sunlight and protected from frost. For short-term storage, a maximum of 2 pallets should be placed 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 stocked on top of each other.





Technical Data Sheet
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Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During application, work clothes, protective gloves, glasses and masks in accordance with occupational and worker health rules should be used. It should not be contacted with skin or eyes during storage and application. In case of contact, it should be washed immediately with plenty of water and soap. If swallowed, a doctor should be consulted immediately. Food and beverage supplies to application areas

It should not be inserted. It should be stored in places inaccessible to 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 Malz. San. ve Tic. Ltd. Şti. is only responsible for the quality of the product. Our company cannot be held responsible for the consequences that may occur due to incorrect use and/or other than written recommendations regarding where and how to use the product. For detailed information, you should refer to the safety data sheet and technical data form or contact our company officials.



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