

INNO-FLOOR FOX HARDTOP® LI PREMIUM FF845

Lithium Silicate Based, Liquid Concrete Surface Hardener, Providing Dustlessness

Description

FOX HARDTOP® LI PREMIUM FF845 is a liquid concrete surface hardener based on lithium silicate, providing dustlessness in new and old concrete.

Fields of Application

- Shopping malls,
- Supermarkets,
- Car parks,
- Airport Hangars,
- Depots,
- Distribution centres,
- Production facilities,
- Schools and Universities,
- Hospitals and pharmaceutical industry,
- Offices,
- Factories.

Advantages

- High Lithium content
- 100% active substance of solid substance
- Has the feature of fast polishing and stain resistance.
- Can be applied on old and new concrete.
- Excellent penetration.
- Increases abrasion resistance by 20-50%.
- It prevents ASR reactions that cause superficial cracks.
- Resistant to stain and water.
- Very fast application feature
- Environmentally friendly, in compliance with the LEED and BREEAM standards.

Technical Features

Density	1,14 gr/cm ³
Colour	Transparent
Solids by %	%14,5±1,5
Active substance percentage	%100
Dilution	No Dilution
Application Surface Temperature	+5°C / +35°C

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

Surface Quality

The sub-surfaces to be applied must be strong, clean, dry and free from all kinds of dirt, oil, grease, coating and surface curing materials etc. Ground temperature should be +5°C and above.



Application Procedure

Substrate Preparation

The sub-surfaces to be applied must be strong, clean, dry and free from all kinds of dirt, oil, grease, coating and surface curing materials etc.

Application Conditions

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

Mixing

FOX HARDTOP® LI PREMIUM FF845 is a one component, ready to use material.

Application

FOX HARDTOP® LI PREMIUM FF845 can be applied on newly poured concrete surfaces, no preparation is required.

Remove all dirt, deposits and deposits from the existing concrete surface. Let the cleaned surfaces dry. Prepare the surface with polishing and finishing machines and diamond discs or cleaning and maintenance pads. Before applying **FOX HARDTOP® LI PREMIUM FF845**, the level of polishing / honing / polishing is in the range of 100-400 grit.

Apply to the surface using a low-pressure sprayer with a soft white polish pad (mop). Make sure that the application is applied on the entire surface without any gaps.

Spread **FOX HARDTOP® LI GLOSS FF845** with a pre-moistened polishing pad (mop). Reapply in areas which dries before 10 minutes.

Wait for the applied surfaces to dry completely. If the application will 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. The surface is ready to use when it is dry, but the reaction can take up to two weeks to complete depending on temperature and weather conditions.

Cleaning of the Tools

After the application, the tools and equipment used should be cleaned with solvent or polyurethane thinner. **FOX HARDTOP® LI PREMIUM FF845** can only be removed from the surface by mechanical methods after hardening.

Coverage

On fresh concrete approximately 40-65 gr/m² (2 layers)

On cured and polished concrete approximately 60-100 gr/m² (2 layers)

On polished/honed concrete approximately 50-100 gr/m² (2 layers)

Watch Points

- The materials to be used must be brought to the application site 1-2 days prior and must adapt to the ambient conditions.
- Rain, dust, wind, animals and pests 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 water contact occurs, there will be softening and blistering on the coating, which will cause the coating to lose its properties. Therefore, the coating should be completely removed and rebuilt.
- Consumptions are given for ideal conditions where ambient and surface temperatures are considered as 20°C. Actual consumption may vary depending on the surface structure and ambient temperature. It should be remembered that consumption will increase in bad surfaces and cold weather conditions.

Package

30 kg/bin

Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and + 30°C, its shelf life is 12 months from the date of manufacture.





Product Technical Data Sheet

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Storage

It should be stored in its original package, in a cool and dry place, away from direct sunlight and protected from frost. For short term storage, maximum 2 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.

Disclaimer

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