

# ShaliFloor® Li LH

Water Based Lithium Silicate based Liquid Floor Hardener-cum-Densifier



STP Limited

## Description

**ShaliFloor® Li LH** is a lithium silicate based clear liquid ideally suited for concrete floor as hardener cum densifier. It protects concrete floor from dust formation. The finished floor will retain its concrete appearance whilst providing durability and aesthetics. It is excellent for new or existing concrete, natural or pigmented

## Characteristics

Appearance	Clear Liquid	Theoretical Coverage, kg / m <sup>2</sup> , per coat *	0.15 - 0.25
Specific Gravity	1.17 ± 0.02		

\*Coverage is depending upon surface condition. 2 - 3 coats are required for porous surface

## Application

- On new or existing concrete or masonry surfaces.
- Industrial / Warehouses / Storage Facility / Exhibition floors.
- Hospitals.
- Stadium.

## Advantages

- Hardens the floor.
- Resists dust formation.
- Enhances durability.
- Single application.
- Can be mixed with cement for slurry application and screed making.

## Application Methodology

### ➤ Surface Preparation

- Remove all loose gravel, dirt, oil, grease or other loose foreign particles by sand blasting / iron brush / compressed air or high-pressure water jet.
- Allow it to dry.

### ➤ Application of Material

- Apply **ShaliFloor® Li LH** with a low-pressure sprayer or scrubber.
- Allow 20 minutes to keep the floor wet after application. Any portion begins to dry should be re-mist with material. Interval between two coats is 24 hrs.
- Allow the material to dry. Broom the surface to remove pudding. After the material dries clean up the excess material with scrubber.
- Normally a two or three coat application is recommended for complete treatment, however, very dense, well trowelled surfaces such as granolithic toppings, power floated or vacuum dewatered concrete will generally require only a single coat
- Allow foot traffic after one hour whereas allow vehicle after 24 hours.
- Do not allow water to contact with the coated floor for 24 hrs for proper curing. Humidity will delay curing of coating.

## Limitations

- **ShaliFloor® Li LH** penetrates concrete and reacts with cement hydration products to form calcium silicate crystals. Very old and dry concrete will not react with **ShaliFloor® Li LH**.
- Stain resistance and sheen will vary depending upon porosity and roughness.
- **ShaliFloor® Li LH** cannot be applied below freezing temperature.

## Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, wash immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

## Packing

Available in 20 kg and 225 kg pack.

## Storage

Store in a cool dry place, under shade, away from heat.

## Shelf Life

12 months in original, unopened, sealed condition.



**Product Range**

- Waterproofing & Insulation
- Sealants & Adhesives
- Protective/Anti-Corrosion Coatings
- Grouts and Admixtures (GARA)
- RestoFix - Repair/Rehabilitation
- Road Surfacing
- Pipeline Coatings
- Epoxy and Flooring
- Other Construction Chemicals



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