

ShaliFloor TC 2HB SF

Two Component Solvent Free High Build Epoxy Floor Coating



STP Limited

Description

ShaliFloor TC 2HB SF (Formerly known as ShaliPoxy SLC) is a two component pigmented epoxy floor coating with a thickness of around 300 microns in one coat. **ShaliFloor TC 2HB SF** is unique in its simplicity of application resulting in a smooth, non-porous, hygienic, chemically resistant floor coating. It is available in a number of colours and has sufficient strength to withstand industrial traffic with nylon / rubber wheels. **ShaliFloor TC 2HB SF** is tested by CFTRI as per 21 CFR 175-300 of US FDA test method.

Characteristics

Compressive Strength, N/mm ²	30	Adhesion to Concrete, N/mm ²	1.5
Water Absorption @ 27 °C, 24 hrs,%	0.20	Flexural Strength, N / mm ²	15
Pot life @ 30 °C, Minutes	40	Curing time in days	
Theoretical Coverage, m ² /kg/coat *	2.5	• Foot traffic	01
Tensile Strength, N / mm ²	10	• For full traffic	5 - 6

* Depending upon surface condition.

Chemical Resistance

ShaliFloor TC 2HB SF is resistant to a variety of chemicals as given below

Acetic Acid	10%	Nitric Acid	10%
Ammonium Hydroxide	25%	Sulphuric Acid	10%
Caustic Soda	50%	Hydrochloric Acid	30%
Critic Acid	10%		

Areas of Application

ShaliFloor TC 2HB SF is resistant to fungal & bacterial growth & is ideally suitable for areas requiring hygienic, dust free and wear-resistant surface. It is recommended for the following areas:

- Chemical / Pharmaceuticals Plant
- Food processing / bottling plant
- Electric / Electronics industries
- Computer room
- Hospital operation theatre
- Nuclear plants
- Laboratories
- Aerospace industry
- Airport hangers
- Dairies & breweries

Advantage

- Excellent bond to concrete & other substrates like tiles, Kota stones etc. it doesn't allow growth of bacteria. Hence suitable for potable water tank & food storage areas.
- Good resistance to chemicals
- Good resistance to abrasion.
- Easy to apply

Application Methodology

- Ensure that the surface is sound, free from dust, laitance and other contaminants.
- Prepare by mechanical abrasion and ensure slight texturing for better bonding.
- Remove all oil, grease by washing with liquid detergent followed by acid wash.
- Ensure that –
 - Minimum age of concrete is 28 days, and
 - Moisture content is below 5%
- Allow the floor to dry before priming.
- Prime prepared surface by brush or roller using ShaliPrime LBHB 2E @ 200 - 250 gms / m². The coverage depends on the surface texture & porosity.
- Allow the primer to dry for 6 – 8 hrs.
- Stir Component A (Resin) and Component B (Hardener) of **ShaliFloor TC 2HB SF** separately. If settling is observed in the component A, loosen the settled material with help of hand stirrer followed by power driven stirrer for quick homogenous mixing.
- After mixing, apply **ShaliFloor TC 2HB SF** by brush or roller to the required thickness on the dried primer.

Colour range

ShaliPoxy SLC is available in selected colours. While every effort is made in production to maintain the consistency of colour, some variation may be expected from batch to batch.

Cleaning & Maintenance

- Clean all tools immediately after use with Xylene. Do not allow the material to harden.
- Ensure regular cleaning to prolong life of floor

Health and Safety

- Use goggles and hand gloves during application.
- Clean hands with warm soap water after application.

Packing

Available in 16 kg carton (4 kg tin x 4 nos) consisting of Component A & B.

Storage

Keep in a cool and dry place, under shed, away from heat & direct sunlight.

Shelf Life

12 month in original unopened sealed conditions.



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