

# ShaliFloor® TC 2 HB SF

2K Solvent Free High Build Epoxy Floor Coating



STP Limited

## Description

**ShaliFloor® TC 2 HB 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 2 HB 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 2 HB SF** is tested by CFTRI as per 21 CFR 175-300 of US FDA test method.

## Characteristics

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

\* 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 2 HB 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

### ➤ Surface Preparation

- Prepare the surface by mechanical grinding or other suitable method.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air. Remove old painting using surface grinder.
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- For best bond, concrete surface must be slightly textured.
- Allow it to dry before priming.
- Ensure that concrete must be cured at least 28 days and moisture content is below 5%.

### ➤ Material Preparation

- Mix **ShaliFloor® TC 2 HB SF** component A (Resin) & B (Hardener) thoroughly by using speed drill mixer with a spiral type blade at the bottom of stirrer rod. The speed may be 1000 rpm till homogeneous mix is obtained. Then add component B (Resin) slowly, ensuring complete dispersion.
- After stirring, wait for the product to settle in order to let entrapped air escape.

### ➤ Application of Material

- Prime concrete surface with ShaliPrime 2E and allow it to dry for 6 – 8 hrs till it is touch dry.
- Apply **ShaliFloor® TC 2 HB SF** by brush / roller on primed surface.

## Colour range

**ShaliFloor® TC 2HB SF** 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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