

# ShaliPoxy<sup>®</sup> 2HB SF

2K Solvent Free High Build Epoxy Coating



STP Limited

## Description

**ShaliPoxy<sup>®</sup> 2HB SF** is a two component pigmented epoxy coating with a thickness of around 300 microns in one coat.

**ShaliPoxy<sup>®</sup> 2HB SF** is unique in its simplicity of application resulting in a smooth, non-porous, hygienic, chemically resistant coating. It is available in a number of colours.

**ShaliPoxy<sup>®</sup> 2HB 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

**ShaliPoxy<sup>®</sup> 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

**ShaliPoxy<sup>®</sup> 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:

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

## 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 **ShaliPoxy® 2HB 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 **ShaliPoxy® 2HB SF** by brush / roller on primed surface.

#### **Colour range**

**ShaliPoxy® 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 & Safety**

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapor.
- 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 eye contact, wash immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

#### **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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**Advisory Cell**  
STP Limited  
**+91 81302 81114**  
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Visit us at : [www.stpltd.com](http://www.stpltd.com) or Email at : [info@stpltd.com](mailto:info@stpltd.com)