

# ShaliPoxy® WB TC 2K

2K Water Based Epoxy Top Coating For Hygienic Wall



STP Limited

## Description

**ShaliPoxy® WB TC 2K** is a two component, solvent-less, water based, low odour, polyamine modified epoxy coating. It acts as a tough abrasion resistant coating that withstands wear and chemical attack in a variety of applications.

**ShaliPoxy® WB TC 2K** comes in a variety of colours with matt finish. **ShaliPoxy® WB TC 2K** is tested by CFTRI as per 21 CFR 175-300 of US FDA test method.

## Characteristics

Pot Life @ 30 °C	60 – 120 minutes	Application Temp	< 10 °C > 40 °C
Curing Time Suitable for <ul style="list-style-type: none"><li>• Foot Traffic</li><li>• Wheel Traffic</li></ul>	After 24 Hrs After 7 Days	Recoating Time <ul style="list-style-type: none"><li>• Minimum</li><li>• Maximum</li></ul>	8 24
DFT	100 – 130 microns	Theoretical Coverage, gms / m <sup>2</sup> *	200 in 2 coats
Surface Drying Time, hrs	6 – 8	Potable Water Contact	Passes CFTRI 21 CFR 175-300 of US FDA
Adhesion to concrete, MPa, ASTM D 4541	2 – 2.5		
Water Absorption, %, ASTM D 870	0.06		

\* Depending upon surface condition.

## Application

- Damp concrete substrate.
- Walls in
  - food processing plants / dairies.
  - manufacturing plants.
  - hospitals / diagnostic labs
  - hotels

## Advantages

- Being water based, it is environment friendly.
- Helps ensure good adhesion and also prevents air release from the porous substrate.
- Can be applied to concrete immediately after removal of shuttering.
- Provides excellent wear resistance under traffic.
- Non-flammable / Non-toxic.
- Resists mild dew.

## 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.
- Ensure that concrete must be cured at least 28 days and moisture content is below 5%.

➤ **Material Preparation**

- Mix **ShaliPoxy® WB TC 2K** Component A (Resin) & B (Hardener) separately 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 for both the components. Then add component B (Hardener) slowly to Component A( Resin) under stirring ensuring complete dispersion.to a homogeneous mass.
- Stop agitation, wait for the product to settle in order to let entrapped air escape.

➤ **Application of Material**

- Prime concrete surface with ShaliPrime 2E.
- Allow it to touch dry for 6 – 8 hrs.
- Apply **ShaliPoxy® WB TC 2K** on primed surface by brush / roller.

**Limitations**

- Do not apply **ShaliPoxy® WB TC 2K** on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply **ShaliPoxy® WB TC 2K** to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.
- In common with all epoxy materials some light shade changes may be experienced over the long term when placed in adverse exposure conditions. Any such change in shade is not regarded as being detrimental to performance.

**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 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 25 kg.

**Storage**

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

**Shelf Life**

12 months in original unopened sealed conditions.



**STP Limited**  
*Enhancing Structures' Life*

#### Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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