

# ShaliFloor® TC 2 LB SB

2K Solvent Based Low Build Epoxy Coating for Floor / Wall



## Description

**ShaliFloor® TC 2 LB SB** (Formerly known as ShaliPoxy WC LB) is a solvent-based coating for vertical application on walls. The cured surface is hard and gives smooth finish. It is joint-less and hence will not support bacterial growth. It resists abrasion and can easily be cleaned.

## Characteristics

Pot life @ 30°C, hrs.	4	Time between coats, hrs.	8 - 12
Adhesion to concrete	Excellent	Tack Free time, hrs.	4 - 6
Water absorption	Nil	DFT	100 microns
Curing Time • Touch Dry • Full Cure	4 - 5 hrs. 7 days	Theoretical coverage, gm / m <sup>2</sup> *	150 in two coats

\* Depending upon surface condition.

## Application

- Area requiring hygienic monolithic walls like pharmaceutical Industries, operation theatres & corridors in hospitals and nursing homes, laboratories, bottling plants, dairies & breweries, fermentation floors in tea garden, food processing – fisheries, meat processing, pickles etc.
- Walls in nuclear plants, computer and control panel rooms
- Walls in industries mainly aerospace / airport hangers / electric and electronic Industries / picture tube manufacturing plants / textile mills / portable water and food storage.
- Walls in automobile workshops

## Advantages

- Prevents bacterial growth besides being easy to clean.
- Provides smooth monolithic surface when used on metallic surface and simultaneously prevents corrosion.

## 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.
- Remove old painting using surface grinder.
- 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 LB SB** 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 touchdry.
- Apply **ShaliFloor® TC 2LB SB** by brush / roller on primed surface.

- **ShaliFloor® TC 2LB SB** is advisable to apply two coats at right angles to each other. This way the second coat will cover any blemishes of the first coat. Allow first coat to become tack free before the second coat is applied. (Generally, a second coat is applied after overnight curing of first coat.)

### Limitations

- Do not apply **ShaliFloor® TC 2 LB SB** on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply **ShaliFloor® TC 2 LB SB** to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g., steel walkways.
- Do not install **ShaliFloor® TC 2 LB SB** at temperature < 10°C or > 45°C.
- 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.

### Cleaning

- Clean all tools immediately after use with xylene. Do not allow material to harden.

### Health & Safety

- The product should not come in contact with the skin and eyes, or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins, hardeners and solvents.
- 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, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately - **do not** induce vomiting.

### Packing

Available in 3 kg units packed in 15 kg carton.

### Storage

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

### Shelf Life

6 months in original unopened sealed condition.



**STP's Businesses**  
Waterproofing & Insulation  
Road Surfacing  
Pipeline Coating  
Protective / Anti-Corrosive Coating  
GARA (Grouts & Admixtures)  
Sealant & Adhesives  
Repairs & Rehabilitation  
Epoxy Flooring

