

# ShaliFloor SL TC 3 PU



3K Self Leveling Polyurethane Floor Top Coat

STP Limited

## Description

**ShaliFloor SL TC 3 PU** (Formerly known as ShaliUrethane SL) is three component polyurethane self leveling flooring. It is solvent free system. **ShaliFloor SL TC 3 PU** is joint-less, monolithic, smooth, non-porous, hygienic, chemically resistant, besides being easy to clean and maintain. **ShaliFloor SL TC 3 PU** can be applied from 1mm thickness to 2 mm thickness.

## Characteristics

Adhesion to concrete	Excellent	Shore D Hardness	60
Water absorption	Nil	Compressive Strength	50 N/mm <sup>2</sup>
Curing Time <ul style="list-style-type: none"><li>• Foot Traffic</li><li>• Vehicle Traffic</li><li>• Full Cure</li></ul>	24 hrs 72 hrs 7 Days	Shrinkage	NIL
		Pot Life @ 30 °C	20 Minutes
		Substrate Temperature	10 °C upto 35 °C
		Theoretical Coverage, kg/m <sup>2</sup> *	1.75 for 1 mm

\* Depending upon surface condition.

## Chemical Resistance

Acetic acid 10%	resistance	Ammonia 5%	resistance
Boric Acid 4 %	resistance	Chlorine bleach 4%	resistance
Chrome acid 10%	resistance	Citric acid 10%	resistance
Diesel	resistance	Disinfectants	resistance
Formaldehyde 37%	resistance	Formic acid 10%	resistance
Hydrochloric acid 10%	resistance	Hydrogen peroxide 10%	resistance
Lactic acid 25%	resistance	Nitric acid 10%	resistance
Petrol/Super	resistance	Phosphoric acid 25%	resistance
Phosphoric acid 50%	resistance	Sodium lye 50%	resistance

## Application

- Area requiring hygienic monolithic floor 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.
- Nuclear plants, computer and control panel rooms
- Industries mainly aerospace including airport hangers, electric and electronic Industries, picture tube manufacturing plants, and textile mills, portable water and food storage.
- Automobile workshops
- Oil Rigs.

## Advantages

- Better adhesion and flexibility.
- Resists chemical.

## 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.

#### ➤ **Material Preparation**

- Mix **ShaliFloor SL TC 3 PU** component A (Resin) & C (Filler) 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 (Hardener) slowly, ensuring complete dispersion. After all of component C has been added, mix for a minimum of 5 to 10 minutes.
- After stirring, wait for the product to settle in order to let entrapped air escape.

#### ➤ **Application of Material**

- Prime concrete surface with ShaliPrime 2 E and allow it to dry for 6 – 8 hrs till it is touch dry.
- Pour the material on to the primed surface and spread the material with notched trowel to achieve the desired thickness.
- After spreading the material as per recommended coverage spike the surface with spike roller.
- Rolling should be done to achieve excellent finish as well as to remove the entrapped air.
- Prior to the application, during application and after application the substrate temperature should be above 10° C.

**SYSTEM DESCRIPTION: Primer ShaliPrime Epoxy** at the rate of 0.3 – 0.5 kg/m<sup>2</sup>

#### **Health & Safety**

- The product should not come in contact with the skin and eyes, or be swallowed.
- 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 14 kg unit

#### **Storage**

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

#### **Shelf Life**

12 months in original unopened sealed conditions.



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Waterproofing & Insulation  
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GARA (Grouts & Admixtures)  
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Epoxy Flooring



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