

# ShaliFloor SL TC 3PU



Three Component Self Leveling Polyurethane Floor Topping

STP Limited

## Description

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

- Prior to application, prepare substrate by mechanical means using qualified equipment e.g. shot blasting, scarifying etc.
- Ensure substrate is free from cement laitance, dust, oil, fat and other contaminants.
- Ensure substrate has open, textured, absorbent surface
- Concrete residual moisture should not be more than 4%.
- Depending on the condition of substrate, apply ShaliPrime LBHB 2E to make surface non porous. Prior to mix ensure that the temperature of the components must be within 15- 25 °C.

- Mix the components separately.
- Pour the component A slowly in to dried container. To this component A add component C (Filler) slowly whilst mixing.
- Mixing should be done by suitable low speed electric mixer (300 – 400 rpm).
- Now mix this component A and component C thoroughly to achieve a homogeneous mix.
- To this mixture add component B slowly whilst mixing. Mix the mixture to achieve a homogeneous mix.
- The material is now ready for application. 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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