

# ShaliFloor® TC 2PU

2K Aliphatic Polyurethane UV Resistant Top Coat



## Description

**ShaliFloor® TC 2PU** is two component, liquid aliphatic polyurethane-based UV and weather resistant coating. It is ideal protective coating for exposed surfaces as it provides excellent weather resistance and light stability. **ShaliFloor® TC 2PU** films are hard, tough but flexible and display good solvent and gasoline resistance. **ShaliFloor® TC 2PU** is available in various colours.

## Characteristics

Pot Life, 30°C, hrs.	5	Adhesion to Steel & Concrete	Excellent
Application Temp, °C	10 - 40	Theoretical Coverage*, m <sup>2</sup> / L @ 75 microns	6 - 8
Drying time @ 30°C		Flash Point, °C	
• Surface Dry, minutes	30	• Base	> 23
• Hard Dry, hrs.	6	• Hardener	> 23
• Full Cure, days	7		
Recoating Time, hrs.		Hardness, sec. (Pendulum Hardness after 7 days curing)	195
• Minimum	6		
• Maximum	48	Dry Film Thickness / coat, microns	60 - 75
Abrasion resistance	~ 40 mg	Impact resistance, (kg cm)	≥ 100
Finish	Glossy	Temperature Resistance, °C	Up to 120
Volume Solids, %	50 - 60	Flexibility (Conical Mandrel), mm	≤ 1
Weathering resistance (QUV), hrs.	100		

\* Depending upon surface condition.

## Application

- On shore and off shore industries.
- Power Plants
- Petrochemical and Pharmaceutical complexes
- Cement and steel plants, Transportation Industries
- Infrastructure projects
- Chemical plants.

## Advantages

- UV and weather resistance.
- Better adhesion and flexibility
- Mild Chemical resistance.

## 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 **ShaliFloor® TC 2PU** 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 **ShaliFloor® TC 2PU** by brush / roller on primed surface.

	Conventional Spray Application	Airless Spray Application
Thinner, %	5 - 15	5 max.
Nozzle Orifice, mm	1.2 - 1.4	0.28
Nozzle Pressure, psi	40 - 70	1400 - 1800

### Cleaning

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

### Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, 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 with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

### Packing

Available in 5 L units consist of component A and B.

### Storage

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

### Shelf Life

12 months in original unopened sealed conditions.



**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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