

ShaliFloor® 2PU TC

2K Aliphatic Polyurethane UV Resistant Top Coat



STP Limited

Description

ShaliFloor® 2PU TC 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® 2PU TC** films are hard, tough but flexible and display good solvent and gasoline resistance. **ShaliFloor® 2PU TC** 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 ² / L @ 75 Micron	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	Dry Film Thickness / coat, microns	60 – 75
• Maximum	48		
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® 2PU TC** 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® 2PU TC** 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.





STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing & Insulation ■ Road Surfacing
- Sealants & Adhesives ■ Pipeline Coatings
- Protective/Anti-Corrosion Coatings ■ Epoxy and Flooring
- Grouts and Admixtures (GARA)
- RestoFix - Repair/Rehabilitation ■ Other Construction Chemicals



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