

ShaliFloor TC 2 PU

2K Aliphatic Polyurethane UV Resistant Top Coat



STP Limited

Description

ShaliFloor TC 2 PU (Formerly known as ShaliUrethane 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 TC 2 PU** films are hard, tough but flexible and display good solvent and gasoline resistance. **ShaliFloor TC 2 PU** is available in various colours.

Characteristics

Pot Life, 30 °C	5 hrs	Adhesion to Steel & Concrete	Excellent
Application Temp, °C	10 – 40	Theoretical Coverage, m ² /L *	6 to 8 @ 75 microns
Drying time @30 °C <ul style="list-style-type: none">• Surface Dry• Hard Dry• Full Cure	30 minutes, 6 hrs 7 days	Dry Film Thickness / coat, microns	60 – 75
Recoating Time, hrs <ul style="list-style-type: none">• Minimum• Maximum	6 48	Finish	Glossy
Impact resistance, (kg cm)	≥ 100	Hardness, sec. (Pendulum Hardness after 7 days curing)	195
Abrasion resistance	~ 40 mg	Flexibility (Conical Mandrel),mm	≤ 1
Weathering resistance (QUV)	1000 hrs	Temperature Resistance, °C	Up to 120
Flash Point, °C <ul style="list-style-type: none">• Base• Hardener	> 23 > 23	Volume Solids	50 – 60 %

* 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 2 PU** 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

- 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 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.



Advisory Cell
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