

ShaliProtek® TC 100

Moisture Cured PU Top Coat



STP Limited

Description

ShaliProtek® TC 100 (formerly known as ShaliUrethane TC 100) is a single component, aliphatic, moisture cured, polyurethane top coat providing superior bonding, flexibility and corrosion / abrasion resistance.

Characteristics Physical

Colour	Grey	Density, gm / cc	1.25 ± 0.05
Application	Spray/ Brush/Roller.	Sagging @ 100 micron	No
Cure time @ 24 OC, 60% RH		Theoretical coverage*, m ² / L, 50 Micron DFT	11 – 12
• Tack free time, hr	3 – 4	Recommended thickness*, DFT, Micron	50 - 100
• Recoat ability time, hr	8 – 10		
• Handle time, hr	24	Flash Point, COC, °C	30
• Full cure, days	4 - 7		

* Depending upon surface condition

Characteristics Technical

Property	Method	Result
Volume Solid, %	ASTM D 2369	60 ± 2
Spray, 5000 hr	ASTM B 117	Pass
Flexibility, %	ASTM D 522	> 90
Adhesion pull off on concrete, MPa	ASTM D 4541	> 2.5
Elasticity, %	ASTM D 412	> 150
Accelerated Weathering test	ASTM 4587	Passes
Shore A hardness	ASTM D 2240	55 - 60
Abrasion resistance, 1000 RPM, CS 17, 1 Kg load, gm	ASTM D 4060	0.15
Direct impact test	ASTM D 2794	150 kg-cm

Application

- Exterior pipe line Coating.
- Coating for structural steel, bridges, ballast tanks, storage tank, etc.
- Waste water treatment, chemical / fertilizer plants.
- Cooling tower.

Advantages

- Compatible with most old coatings.
- Does not require any Induction time.
- Resistant to majority of chemicals.
- Abrasion resistant.

Application Methodology

➤ Surface Preparation

- **ShaliProtek® TC 100** is applied over prepared surface primed by ShaliPrime 2E / ShaliPrime MIO PU / ShaliPrime PUM / ShaliPrime Zn Ph.

➤ Material Preparation

- Stir **ShaliProtek® TC 100** by a slow speed mixture fitted with a suitable mixing paddle to ensure a homogenous mix.

- After stirring, wait for the product to settle in order to let entrapped air escape.

➤ Application of Material

- Apply prepared **ShaliProtek® TC 100 over** primed surface by single component airless spray gun / brush / roller.
- Allow it to dry for 8 – 10 hrs for subsequent coating.

Cleaning & Maintenance

Clean all tools immediately after use with STP Thinner.

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 20 L MS Drum,

Storage

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

Shelf Life

6 months in original unopened sealed condition.



STP Limited
Enhancing Structures' Life

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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