

ShaliCryl[®] TC 100 E

Water / Dirt Repellent UV Resistant Exterior Acrylic Top Coat



STP Limited

Description

ShaliCryl[®] TC 100 E is single component, UV resistant, excellent water & dirt repellent emulsion coating based on special acrylic polymer with quick-set capabilities and unique additives resistant to moisture.

ShaliCryl[®] TC 100 E is easy to apply, environment friendly, non-polluting, green product, which forms a tough impermeable layer with a high crack bridging property of up to 2 mm.

ShaliCryl[®] TC 100 E is available in white base, which can be pigmented with accompanying paste.

It conforms to ASTM D-6083.

Characteristics - Technical

Appearance	White	Paste	Different Shades
Application Temperature °C	> 5	Specific Gravity	1.20
UV Resistance	Excellent		
Solid, %	58 ± 2	Viscosity, cps at 30 °C	3000 ± 200
DFT, micron	80 - 100	Theoretical Coverage, m ² / L *	4.90 – 6.20
Accelerated Weathering Test. Q Panel, ASTM D G 23 Type D, 1000 hrs	No defects	Dust pick up resistance	Excellent
		Water repellency	Excellent
Appearance after drying	Coloured film with sheen	Drying time, minutes • Surface dry • Hard dry	10 90

* Depending upon surface condition.

Characteristics - Technical

Property	Standard	Results
Elongation, 14 days, %	ASTM D 6083	620 ± 50
Tensile strength, 14 days, MPa,	ASTM D 6083	1.20 ± 0.1
Hardness, 14 days /Shore A	ASTM D 2240	70 - 72
Gloss / Sheen level @ 60° Angle	ASTM D 523	> 70
Adhesion strength, MPa	ASTM D 4541	1.6 Concrete failure
Accelerated weathering (1000 hrs UV Exposure)	ASTM D 4586	No crack

Application

- As a top coat over ShaliCryl[®]215 coating for exterior surface.

Advantages

- Green Product.
- Excellent Dirt / Algae / Fungus / Water Resistant.
- High Crack Bridging Property.
- Elastomeric UV Resistant Coating.
- Easy Application and User Friendly.

Application Methodology

➤ Surface Preparation

- Remove all foreign materials, if any, with a jet of air from exterior surface coated with ShaliCryl 215.

➤ Application of Material

- Apply first coat of **ShaliCryl® TC 100 E** over the prepared surface @ 180 - 200 ml / m².
- Allow the applied coating to dry for 6 – 8 hrs post application.
- Apply second coat of **ShaliCryl® TC 100 E** without dilution over dried first coat @ 180 - 200 ml / m² and allow it to dry.
- Do not undertake any further work over the coated area within 72 hrs of final coat.

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 and 20 L container. Bulk packing is available on request.

Storage

Keep in cool and dry place, under the shade, away from heat.

Shelf Life

12 months in original unopened sealed condition.



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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