

ShaliCryl[®] TC 100 E

Water / Dirt Repellent UV Resistant Exterior Acrylic Top Coat



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 silicon 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	Viscosity, cps @ 30°C	3000 ± 200
Solid, %	58 ± 2	Theoretical Coverage, m ² / L *	4.90 - 6.20
DFT, micron	80 - 100	Dust pick up resistance	Excellent
Accelerated Weathering Test. Q Panel, ASTM D G 23 Type D, 1000 hrs.	No defects	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

- User friendly, Easy to clean glossy surface.
- Green elastomeric UV resistant coating.
- Excellent Dirt / Algae / Fungus Resistant.
- Excellent water repellent and lotus leaf effect.
- Excellent dust pick up / stain resistant.
- High Crack Bridging Property.
- Improves life of **ShaliCryl[®] 215** base coat.

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.



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