

# ShaliCryl® TC 100 ES

UV / Weather Resistant Exterior Acrylic Silicone Top Coat



## Description

**ShaliCryl® TC 100 ES** is single component, UV resistant exterior emulsion paint based on silicone modified acrylic polymer that provides excellent weatherability, water, dirt pickup and stain resistance.

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

**ShaliCryl® TC 100 ES** is available in white base, which can be pigmented with accompanying paste.

It conforms to ASTM D-6083.

## Characteristics - Physical

Appearance	Viscous dispersion	Specific Gravity	1.3
Application Temperature, °C	> 5	Viscosity, cps at 30°C	2500 ± 200
UV Resistance	Excellent	Theoretical Coverage, m <sup>2</sup> / L *	5 - 6
Vol. Solids, %	60 ± 2	Dust pick up resistance	Excellent
DFT, microns	100 - 120	Water repellency	Excellent
Appearance after drying	Smooth 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	550 ± 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	8 - 9
Adhesion strength, MPa	ASTM D 4541	1.6 - 2.0
Accelerated weathering (1500 hrs. UV Exposure)	ASTM D 4586	No defects

## 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 pickup / 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 top coat of **ShaliCryl® TC 100 ES** over the prepared surface @ 160 - 200 ml / m<sup>2</sup>.
- Allow the applied coating to dry for 6 - 8 hrs. for post operation.
- If a second coat is required apply **ShaliCryl® TC 100 ES** without dilution over dried first coat @ 140 ml / m<sup>2</sup> 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 vapor.
- 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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**Advisory Cell: +91 81302 81114**