

ShaliCryl[®] 215

UV Resistant Elastomeric Exterior Acrylic Waterproofing Coating



STP Limited

Description

ShaliCryl[®] 215 is single component, UV resistant, unique elastomeric, high build exterior waterproofing coating based on a revolutionary acrylic polymer with quick-set capabilities to resist moisture attack. Besides inherent waterproofing properties, **ShaliCryl[®] 215** provides durable, flexible, water resistant and water repellent properties. Having an unique UV cross-link curing mechanism, **ShaliCryl[®] 215** becomes more durable with age.



ShaliCryl[®] 215 is easy to apply, environmentally safe, non-polluting green product forms a thick impermeable layer with a high crack bridging property of upto 2 mm.

ShaliCryl[®] 215 is available in white and dark bases and well as factory made wide range of attractive colour.

It conforms to ASTM D-6083.

Characteristics - Physical

Appearance	Wide range of coloured viscous liquid	Appearance after drying	Coloured film with sheen
UV Resistance	Excellent	Application Temperature °C	> 5
Solid, %	58.00	Specific Gravity	1.30
DFT, micron	200	Viscosity, cps at 30 °C	20000 ± 2000
Accelerated Weathering Test. Q Panel, ASTM D G 23 Type D	1000 hrs - No defects	Theoretical Coverage, m ² /L *	3.25
		Dust pick up resistance	Good
		Rapid Chloride Permeability ASTM C 1202 - 97	Very low

* Depending upon surface condition.

Characteristics - Technical

Property	Standard	Results
Elongation, 14 days, %	ASTM D-6083	300
Tensile strength, 14 days, MPa,	ASTM D-6083	0.72
Hardness, 14 days /Shore A	ASTM D-2240	70 - 72
Adhesion strength, MPa	ASTM D-4541	1.5 MPa - Concrete failure

Application

- Exterior waterproofing UV resistant elastomeric coating with 200 micron impermeable film.
- For UV protection layer over Liquid Membrane, you may use **ShaliCryl[®] 215**.

Advantages

- 200 Micron impermeable Coating.
- High Crack Bridging Property
- Elastomeric UV Resistant Coating.
- Higher Durability.
- Green Product.

- Dust / Algae / Fungus Resistant.
- Easy Application and User Friendly.

Application Methodology

➤ Surface Preparation

- Remove all loose and foreign materials, if any, by a wash with a jet of air / water.
- Repair structural defects before application of **ShaliCryl® 215**.
- Fill voids and undulation area with Polymer Mortar made out of ShaliSBR Latex, Water, Cement and Sand in the Ratio of 1:1:5:12.5.
- Fill cracks up to 3 mm with PlastiSeal and cracks over 3 mm with PlastiSeal P after opening the crack to a “V” cut.
- In case of any poor plaster surface in existence (for old building), remove the same and corrected with new cement : sand in the ratio of 1 : 4 admixed with ShaliPlast LW+ @ 200 ml / bag of cement.

➤ Primer Application

- Apply ShaliPrime WB as Primer after dilution with potable water in the ratio 1:0.5 for a theoretical Coverage 8-10 m² / L of the mix and allow it to dry for 3 – 4 hrs. post elimination of undulation, roughness of concrete, joint marks, Voids and any other surface correction.

➤ Application of Material

- Apply first coat of **ShaliCryl® 215** over the primed surface @ 160 ml / m². Add maximum of 10% potable water by volume for the first coat only, if required, to have brushable consistency only.
- Allow the applied coating to dry 6 – 8 hrs of application.
- Apply second coat of **ShaliCryl® 215** without dilution over dried first coat @ 140 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.



Advisory Cell
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Waterproofers to the Nation

STP's Businesses :
Waterproofing & Insulation
Road Surfacing
Pipeline Coating
Protective / Anti-Corrosive Coating
GARA (Grouts & Admixtures)
Sealant & Additives
Repairs & Rehabilitation
Epoxy Flooring

