

ShaliCryl® 215

UV Resistant Elastomeric Anti-Carbonation Exterior Acrylic WP Coating



STP Limited

Description

ShaliCryl® 215 is single component, UV resistant, unique elastomeric, anti-carbonation, 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, arising out of unique UV cross-link curing mechanism.

ShaliCryl® 215 is easy to apply, environmentally safe, non-polluting green product, forms a thick impermeable layer with a high crack bridging property of up to 1 mm.

ShaliCryl® 215 is available in white and dark bases as well as staining agent.

It conforms to ASTM D-6083

Characteristics - Physical

Appearance	Wide range of coloured viscous liquid	Appearance after drying	Coloured film with sheen
		Application Temperature °C	> 5
UV Resistance	Excellent	Specific Gravity	1.30
Solid, %	58.00	Viscosity, cps at 30 °C	10000 ± 1000
DFT, micron	150	Theoretical Coverage, m ² / L*	3.25
Accelerated Weathering Test. Q Panel, ASTM D G 23 Type D	1000 hrs - No defects	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, Concrete failure	ASTM D-4541	1.5
CO2 diffusion resistance at 80 microns DFT		
• Equivalent Air Layer Thickness, mtr		> 70
• Equivalent Concrete Thickness, mm		177

Application

- Exterior waterproofing UV resistant elastomeric coating with 150 – 160 Micron impermeable film.
- For UV protection layer over Liquid Membrane, you may use **ShaliCryl® 215**.

Advantages

- Green Product / User friendly / easy to apply.
- Elastomeric UV Resistant Coating.
- 200 Micron impermeable Coating.
- High Crack Bridging Property.
- Higher Durability.
- Dust / Algae / Fungus Resistant.

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.
- Allow it to cure for at least 10 days.

➤ Primer Application

- For fresh painting,
 - Prime the prepared surface with ShaliPrime WB @ 8-10 m² / L (theoretical coverage)
 - Allow it to dry.

➤ Material Preparation

- Stir **ShaliCryl® 215** by a slow speed mixture fitted with a suitable mixing paddle.
- Add stainer slowly to get the desired shade.
- After stirring, wait for the product to settle in order to let entrapped air escape.

➤ Application of Material

- Apply first coat of **ShaliCryl® 215** over the prepared / primed surface @ 120 ml / m².
- Allow it to dry for 6 – 8 hrs.
- Apply second coat of **ShaliCryl® 215** without dilution over dried first coat @ 120 ml / m² and allow it to dry.
- Do not undertake any further work over the coated area within 72 hrs of final coat.
- Optionally apply a coat of ShaliCryl TC 100 E @ 200 ml / m² to get final DFT of 200 – 210 Micron to have higher service life of the coating.
- For high water repellency, apply ShaliCryl TC 100 ES @ 120 ml / m² over the base coat of **ShaliCryl® 215**.

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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