

Description

ShaliCryl[®] LM (formerly known as ShaliCryl RWP) is a single component UV resistant, highly unique, elastomeric, heavy duty monolithic / seamless terrace waterproofing liquid membrane system. **ShaliCryl[®] LM** is specially developed with high mechanical strength, elastic and resilient acrylic polymers, selected fillers, light fast and weather durable pigments, microfibers, additives and best quality fungicidal in water medium. Membrane is formed in-situ on the applied surface.

ShaliCryl[®] LM is three-layer system with coats in 3 different colours ensuring proper build-up of the thickness. It has UV cross linking technology which makes it a reliable waterproofing system. Due to unique cross linking mechanism, **ShaliCryl[®] LM** becomes more durable with age and is widely used in all advanced countries for waterproofing.

It conforms to ASTM D-6083.

Characteristics - Physical

Appearance	Red, Blue & Grey	Theoretical Coverage, m ² / L for 350 micron DFT *	1.6
Solid Content,%	69 ± 1	Hardness (Shore A) @ 14 days	80
Viscosity @ 27 °C, CPS	6000 ± 500	Dirt Pick Resistance	Excellent
pH	9.01	Specific Gravity	1.38 ± 0.02
Water permeability, % reduction	70	Wet Adhesion strength (with concrete and metal)	Excellent. No bond failure
Application Temperature °C	> 5		

* Depending upon surface condition.

Characteristics – Technical

Property	Standard	Result
Elongation at break,%, 14 days	ASTM D-6083	135 ± 5
Tensile Strength, N / mm ²	ASTM D-6083	1.10
Crack bridging, mm maximum	ASTM C-826	0.8
Pull Off Adhesion, after 7 days, MPa	ASTM D-454	1.6

Application

- Flat / sloped roof with light foot traffic.
- Over brick bat coba.
- Being liquid, suitable for waterproofing of complicated geometrical structures like domes, arches, paraboloids and steeps rising on flashing.
- Very effective for crack repair in cementitious surfaces and waterproofing of vertical wall surfaces and over existing cementitious waterproofing treatments like brick-bat coba, concrete screeds, acrylic coatings etc.

Advantages

- User / environment friendly and non-polluting.
- Resistant to UV / Abrasion & and dirt pickup
- Forms high mechanical strength, elastic & resilient coating enabling it to withstand structural movements.
- Higher tensile strength, tear resistance & bond strength with cementitious substrate.
- No additional protective coating is required for roof subjected to light foot traffic.
- Can easily be applied by brush & roller.

Application Methodology

➤ Surface Preparation

- Ensure that surface is free from all loose gravel, dirt and foreign matter with high-pressure wash. Before application surface should be totally dry, free from moisture, oil, grease, mill scale or rust.
- Do not apply during rains.
- Prior to application, repair torn flashings, loose brick, faulty coverings or parapet walls to provide even surface. Large blisters and surface breaks shall be slit and opened for the release of entrapped moisture then cemented with Shalimar Dam-It wherever necessary.
- In case of old terraces with brick-bat- coba / screeds, ensure that substrate is firm and sound. Repair damage / hollow portions, sharp edges with ShaliFix RM C Surface cracks must be filled with PlastiSeal or ShaliSeal CPM in case of wider cracks.
- Bitumen based waterproofing treatments must be completely removed by mechanical scarification or by any other effective mechanical method.

➤ Material Preparation

- Stir **ShaliCryl[®] LM** by a slow speed mixture (approx. 400 rpm) fitted with a suitable mixing paddle to ensure a homogenous mix.
- After stirring, wait for the product to settle in order to let entrapped air escape.

➤ Application of Material

- Prime the surface with ShaliPrime WB diluted with water in the ratio 1 : 0.5 and apply @ 8 – 10 m² / L.
- Sequence of the colour (Red, blue and Grey) can be decided depending on the desired top coat colour.
- Ensure that the colour of the first and the third coat are the same, in case of only two colours are being used. This would ensure correct consumption of material. For waterproofing and heat insulation, use two coats of **ShaliCryl[®] LM** and top coat with ShaliCryl LM HI. Top coat will be white.
- Ensure all corners / gaps / joints / protrusions / outlets are coated with two extra coats.

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 contact with skin, 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 immediately 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.

Storage

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

Self Life

12 months in unopened air tight condition.



Advisory Cell
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