

## Description

**ShaliCryl<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> LM** becomes more durable with age and is widely used in all advanced countries for waterproofing.

## Characteristics

Appearance	Red, Blue & Grey	Theoretical Coverage, m <sup>2</sup> , Coat, L for 350 μ DFT *	2
Solid Content,%	69 ± 1	Hardness (Shore A) @ 14 days	80
Viscosity @ 27 °C CPS	6000 ± 500	Dirt Pick Resistance	Excellent
Tensile Strength, N / mm <sup>2</sup>	1.10	Specific Gravity	1.38 ± 0.02
Elongation at break,%, 14 days	130 - 140	pH	9.01
Water permeability, penetration @ 5 bar pressure	6	Wet Adhesion strength (with concrete and metal)	Excellent. No bond failure
Application Temperature °C	> 5		

\* Depending upon surface condition.

## Application

- Flat / sloped roof with light foot traffic.
- Over brick bat coba.

## Advantages

- User / environment friendly and non-polluting.
- Resistant to UV / Abrasion & and dirt pickup
- Provide higher DFT of 1 - 1.25 mm in three coats application.
- 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

- 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 covings 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 RMC 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.

- Apply one coat of ShaliCrete E / ShaliSBR Latex and allow it to dry for 2-3 hr.
- 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 that will deliver a total DFT of 1 mm or more.
- Ensure all corners / gaps / joints / protrusions / outlets are coated with two extra coats.

### Health & Safety

- Use goggles and hand gloves during application.
- Clean hands with warm soap water after application.

### Packing

Available in 5 kg and 20 kg container.

### Storage

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

### Self Life

12 months in unopened air tight condition.

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