

## OVERVIEW

RANSCRYL-LMB is liquid applied single component, high performance water-proofer liquid membrane that dries to form a tough and flexible impermeable coating. It is protective & waterproof coating which has 800±150% Elongation. It is a blend of tropical grade bitumen emulsion with modification using pure acrylic polymer. This is weather resistant & special synthetic resin base waterproof coating. Due to its excellent flexibility and thixotropic nature it is an ideal product for vertical and horizontal surfaces. It is a single pack, very economical and pollution free waterproof coating.

## PROPERTIES

- Life and durability of the structure is increased.
- Easy to use, no mixing or heating required.
- Very good bonding to damp surfaces
- Lightweight compared to conventional roofing systems, thereby loading on the roofs is reduced.
- Provides seamless and joint free seal throughout the surface.
- Lower Labour cost due to easy, simple and quick application, leading to early completion and time saving.
- Excellent bonding to substrate such as concrete, masonry, wood, metal, plastic, etc.
- Excellent crack bridging capacity.

## AREA OF USE

- RANSCRYL-LMB is optimally suitable for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, corrugated sheets, etc.
- Waterproofing Coating of roof slabs, terraces, balconies, sun shades, parapet walls, etc.
- It provides additional waterproofing and protection when used as base and/or intermediate coat in brickbat coba and / or IPS flooring.
- Waterproofing of new surfaces as well as for repair of old surfaces, whether previously treated or not.
- Suitable for horizontal and vertical walls.

- For terrace gardens, swimming pools and basements, sandwich application is recommended. For details refer our technical department.

## INSTRUCTIONS FOR USE

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the waterproofing system are as follows:

### SURFACE PREPARATION

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections and protrusions shall be removed and repaired with 'V' grooves filling and sealed with RANSBITU-SEAL/RANSPOLY-SEAL/RANSPU-SEAL-1K, Structurally unsound and friable concrete must be removed and repaired with a suitable RANSCRETE-AP concrete repair mortar.

### APPLICATION PROCEDURE

- Prime the surface with RANSCRYL-LMB PRIMER. In Ratio ;( 1kgs RANSCRYL-LMB: 1kgs Water) @0.15-0.2kgs/Sqmt/Coat.
- After the primer coat is completely dried apply three coats of RANSCRYL-LMB. It is recommended to apply the 2-3 coats after the previous coat is totally cured. @ 0.5kgs/Sqmt/Coat.
- For better results use RANS GLASS FIBRE MESH/POLYSCRIM CLOTH embedded into 1st coat of RANSCRYL-LMB while still wet.

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- **RANSCRYL-LMB** could be diluted up till 10 – 15% for 1<sup>st</sup> coat & 2<sup>nd</sup> coat and 5 – 10 % for 3<sup>rd</sup> coat to make material workable and get the desired coverage.
- All brushes and tools should be cleaned by water immediately after use.

**PRECAUTION:**

Mix only the required quantity of material, which can be utilized within stipulated pot life to avoid solidification.

Wash all the tools and tackles with industrial solvent immediately after the application is completed.

**HEALTH & SAFETY**

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

**PACKGING & STORAGE**

**RANSCRYL-LMB** is supplied in 5kg & 20kg plastic pails.

Store containers in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months.



**TECHNICAL  
DATA**

<b>Product</b>	Liquid Applied Bitumen Modified Acrylic Membrane		
<b>Base</b>	Single Component, Acrylic Resin based liquid coating		
<b>Appearance</b>	Brownish/Black		
<b>Consistency</b>	Paste like, Thixotropic		
<b>Solids Content By Weight</b>	55±2% (ASTM C-836 & C-898)		
<b>Elongation %</b>	800±150% (ASTM D-2370)		
<b>Tensile Strength</b>	2.1-4.0Mpa depending on reinforcement		
<b>Tensile Set Recovery</b>	85±10%		
<b>Bond Strength</b>	3.3 Kg/Sqcm		
<b>Permeability</b>	NIL (IS: 2645-1975)		
<b>Crack Bridging</b>	3.0±0.2mm (ASTM C-836)	<b>Chemical Resistant</b>	Good
<b>Solar Reflection</b>	No	<b>Cracking on Weathering&gt;500Hrs</b>	No
<b>Approximate Drying Time</b>	5-6 hrs.	<b>Service Temperature</b>	+5°C to +45°C

**PICTURES/IMAGES AT GLANCE**



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