

OVERVIEW

RANSPROOF-LMB50 is liquid applied single component, high performance water-proofer liquid membrane that dries to form a tough and flexible impermeable coating. It is protective and waterproof coating which has $350\pm 150\%$ 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

- RANSPROOF-LMB50 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 RANSPROOF-LMB50 PRIMER. In Ration ;(1kgs RANSPROOF-LMB50: 1kgs Water) @0.15-0.2kgs/Sqmt/ Coat.
- After the primer coat is completely dried apply three coats of RANSPROOF-LMB50. 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 RANSPROOF-LMB50 while still wet.

RANS ENGINEERING & CHEMICALS offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the RANS Technical Service Department or your local RANS agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on RANS present state of knowledge and is intended to provide general information on RANS's products and their methods of use. The prospective user is recommended to determine the suitability of RANS's suggestions and products before adopting them on a commercial scale.

- **RANSPROOF-LMB50** could be diluted up till 10 – 15% for 1st coat & 2nd coat and 5 – 10 % for 3rd 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

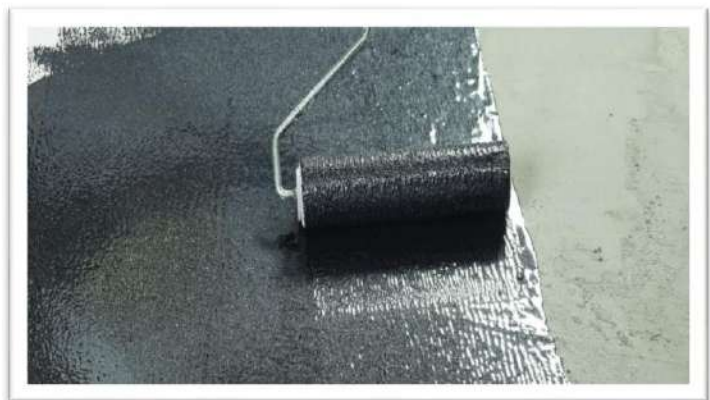
RANSPROOF-LMB50 is supplied in 5kg & 20kg plastic pails.

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**

Product	Liquid Applied Bituminous Membrane		
Base	Single Component, Synthetic Resin based liquid coating		
Appearance	Brownish/Black		
Consistency	Paste like, Thixotropic		
Solids Content By Weight	45± 2% (ASTM C-836 & C-898)		
Elongation %	350±150 % (ASTM D-2370)		
Tensile Strength	1.8-3.2Mpa depending on reinforcement		
Tensile Set Recovery	70±10%		
Bond Strength	1.8 N/Sqmm		
Permeability	2-3 Gms/ sq. mt. / 24hours		
Crack Bridging	3.0±0.2mm (ASTM C-836)	Chemical Resistant	Good
Solar Reflection	No	Cracking on Weathering>500Hrs	No
Approximate Drying Time	5-6 hrs.	Service Temperature	+5°C to +45°C

PICTURES/IMAGES AT GLANCE



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