

Product Description

La AcryThane is a single component, Elastomeric, high performance, Aliphatic PU based, UV Resistant Waterproof Coating. It is based on advanced Aliphatic Urethane dispersion synthesized with special anionic co-polymer for outdoor waterproofing applications. This technology advanced product makes the coating highly flexible that allows the membrane to accommodate movement on the substrate.

It is a tough, seamless high performance membrane with high tensile strength, excellent crack bridging properties with good weathering resistance.

Standard

Tested to ASTM D4541, ASTM D882, ASTM D 1653, ASTM D 570

Uses

La AcryThane is designed for use as waterproof coating on roof slabs and walls of buildings. It is also suitable for sloped roofs eliminating protective screed or tiles.

Advantages

- Aliphatic backbone provides excellent weathering resistance
- Single component - Brush or roller applied directly on the substrate
- Excellent adhesion to most building substrates
- Prevents further ingress of water in concrete
- Excellent flexibility at both high and low temperatures
- Has resistance to water penetration
- Excellent crack bridging : High tensile strength characteristic
- Good resistance to atmospheric pollution
- Breathable - allows water vapour to escape

Application Areas include

- Long span Concrete or metal roofs
- External new and old roof
- Wood, tiles, PU foams and asphalt shingles
- Fire Walls
- Gutters, Fibre Cement Boards

Technical Properties

Surface drying time	30 min at 30°C
Over coating time	2 - 3 hours
Shore A Hardness	> 60
Maximum Tensile strength	> 3.5N/mm ² (ASTM D 442)
Elongation at break	> 350% (ASTM D 442)
Water Absorption	< 1% (ASTM D 570)
Water Vapour Permeability Test (gm./m ² /hrs.)	1.3 (ASTM D 1653)
Weather Resistance	No evidence of cracking, Deterioration & loss of Flexibility
Service temperature	30°C to +90°C
Solid Content	>70±1% (ASTM 2369)
Density	1.35 ± 0.05
Pull out Adhesion Test ASTM D4541	> 1.5 N/mm ²
Crack Bridging	> 2mm
Colors Available	White, Terracotta, light Grey, Sand Stone
S.R.I Value	AcryThane White : 100 AcryThane Grey : 96

Application Instructions

Preparation

All the surfaces which are to receive La AcryThane coating, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired using La Bond SBR Latex.

Priming

To further improve waterproofing and bonding properties on porous substrates, we recommend La BrushSeal Primer with 1:3 dilution, a penetrating water repelling acrylic primer. La BrushSeal which ensures proper adhesion of all brushable elastomeric membrane when waterproofing is done on porous substrates. It also acts as a bond layer between elastomeric coating and substrate.

The surfaces to be primed must be dried before treating with La BrushSeal.

Application

New Roof

After drying of Primer, immediately apply first coat of La AcryThane by brush or roller. Place non-woven fibre mesh fabric on the first coat when it is in tacky condition. Apply second coat of La AcryThane on the reinforced coating covering the pores of the mesh properly. The system is designed so as to allow La AcryThane to pass through, thereby forming a compact reinforced sandwich membrane upon application problem between the top and bottom layers should a high force be applied on it. Third coat is recommended for large roof areas to withstand thermal movements and increase the durability of waterproofing system.

Old Roof

A three coat system of AcryThane is recommended on old concrete roof. After drying of Primer, immediately apply first coat of La AcryThane by brush or roller. Place non-woven fibre mesh fabric on the first coat when it is in tacky condition. Apply second and third coat of La AcryThane on the reinforced coating covering the pores of the mesh properly. Apply third coat on the dried surface of second coat.

Curing

A final curing time of 48hours is adequate at normal working temperatures. Ensure curing is complete before laying thermal insulation boards, mechanical protect and other coverings.

Low temperatures and high atmospheric humidity will slow down the curing rate and vice versa.

Coverage

Priming Coat - La BrushSeal - 10m²/Litre/coat (1:3 dilution)

La AcryThane - 20-22m²/pack in two coats on the primed surface for 1mm thickness.

Coverage can vary depending upon the texture and undulations of the concrete surface.

Recommended coverage should be strictly adhered for desired performance.

Packaging

La AcryThane is Available in 5 & 25kg drums

La BrushSeal is available in 5, 10 & 20kg drums

Shelf Life

La AcryThane system may be stored for upto 18months when contained in its original sealed packing.

Store La AcryThane material in a dry place.

Precautions & Limitations

La AcryThane system has a limited resistance to water permeability. To provide effective protection to the building, when used on concrete surfaces, this system should be used in conjunction with La Greens range of Waterproofing Systems.

Health & Safety

La AcryThane system is non-toxic but alkaline in nature. Gloves and goggles should be worn while handling. Any splashes on the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought.

Fire

La AcryThane system is non-flammable

Important: La Greens India Pvt. Ltd., products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, **La Greens India** does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



Smart Solutions for Sustainable Construction

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