

ADVATHANE PU COATING EMULSION

HIGH PERFORMANCE MODIFIED POLYURETHANE WATERBASED, SINGLE COMPONENT WATERPROOFING MEMBRANE



DATA SHEET

DESCRIPTION

ADVATHANE PU COATING EMULSION is a high performance, liquid applied waterproofing membrane of modified polyurethane resin. It is specially formulated to waterproof and decorate exterior roofs. It consists of a flexible polymer and other carefully selected additives that allow the cured membrane to accommodate movements in the substrate. It works as a seamless membrane that seals cracks and joints in old or new roofs and provides a trafficable surface.

USES

- Exposed Concrete Slab Roofs
- Metal Surfaces
- Car Porch Roofs
- Fibre Cement Boards
- Gutters
- New & Old Roofs
- Tiles Roofs

ADVANTAGES

- Easy to apply - brush, Roller or Airless Spray can be used.
- Solvent Free - giving operators safe and clean working environment
- Low VOC and Environmentally friendly
- Waterproofing - protects new and old concrete from the passing of water
- Durability - enforced with fibre glass (or fleece) matt increases mechanical properties and wear resistance.
- Weather Resistant - excellent UV resistance
- Flexible, accommodates minor joint movements and enable bridging of hairline cracks.

APPLICATION

INSTRUCTION FOR USE

- Fresh concrete should be allowed to cure for at least 28 days before the application of **ADVATHANE PU COATING EMULSION** with humidity not to exceed 8%.
- Ensure the surface is clean and free from dust, grease, oil or any loose material

SYSTEM SEQUENCE

- 1.) One Coat of Advathane Primer
 - 2.) One Coat of Advathane Coating Emulsion
 - 3.) One Layer of Fibre Mesh (or Fleece)
 - 4.) One or Two Coats of Advathane Coating Emulsion
- One layer of **ADVATHANE PU COATING EMULSION** over the fibre mesh is adequate, and the second layer is given as a choice to enhance the best results of waterproofing.
 - Do not add any quantity of water.

PROCEDURES

- **ADVATHANE PRIMER** should be applied on porous or brittle surfaces to enhance the adhesion of **ADVATHANE PU COATING EMULSION**.
- Apply the first coat of **ADVATHANE PU COATING EMULSION** after the **ADVATHANE PRIMER** is cured.
- Insert fibre mesh on the first coat after it is dried but still little tacky.
- Then apply the second coat of **ADVATHANE PU COATING EMULSION** on the mesh and leave it to dry

HOW TO APPLY

1) Apply By Roller



2) Apply By Spray



3) Apply By Brush



The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions etc.



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- Follow the thickness and consumption rate described in the Product Properties Table.
- One layer of **ADVATHANE PU COATING EMULSION** is adequate over the fibre mesh, but for best results, apply a second coat.
- Do not apply **ADVATHANE PU COATING EMULSION** when the temperature is expected to drop at below 5°C.
- Protect the coat from rain, high temperature and moisture during the first few hours of application.

HEALTH & SAFETY

- It is recommended that the operators wear gloves and safety shoes and goggles.
- Keep away from mouth and eyes, if contact with eyes rinse thoroughly with clean water.
- Avoid prolonged contact with skin, if the material contacts with the skin, wash the area with soap and water.
- Seek medical attention immediately if irritation persists.

CLEANING

- Clean equipment with soapy water followed by rinsing with clean water.
- Clean the spray equipment with mineral spirit (like white spirit) to protect it from rust.

GUARANTEE

Our guarantee covers only the quality of the manufactured product, but the application and use of the product is not guaranteed since the conditions of the application and use are beyond company control.

PRODUCT PROPERTIES

Color	White & Grey, special colors on request
Density	1.26Kg/liter
Tensile Strength	>2 N/mm ² (ASTM D412)
Elongation (%)	300% (ASTM D412)
Weather Resistance	UV Resistant
Solid Content (%)	62% (ASTM D 2369)
Consumption	1.8Kg/m ² per coat for 0.75mm DFT
Initial Curing	6 Hours
Overcoat Time	6-24 Hours
Final Curing	7 Days
Service Temperature	5°C - 35°C
Storage	Keep materials away from direct sunlight and open air.
Shelf Life	18 months if stored in it's original closed container at a temperature range of 5°C - 30°C.
Packing	20Kg/Pail

SPECIFICATIONS for CONCRETE & ROOFS

Recommended system is 3-4kg/m² of **ADVATHANE PU COATING EMULSION** with fibre mesh (or fleece), following the consumption rate described in the table above.



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