

# Premathane

## Ultimate Waterproofing Top Coat

### TECHNICAL DATA SHEET

#### Introduction

PREMATHANE is a one component, pigmented, elastic, high solid, aliphatic hybrid polyurethane coating with excellent UV stability used as a top coat for protection over exposed surfaces. It cures with the humidity in the atmosphere to produce a membrane with uniform adhesion over the entire surface. It does not yellow/discolour when exposed to UV and natural element properties that meet the requirements of AS4654 by conforming to AS/NZS4858 and meets the Green Star Environmental criteria for internal and external areas.

PREMATHANE can be applied over Liquid Rubber as a secondary membrane or as a top coat to reduce thermal transfer, and for a medium foot trafficable surface.

#### Characteristics

- Simple application (roller or dedicated airless spray gun and unit)
- Strong and uniform adhesion on almost any type of surface
- Excellent UV Stability
- It does not discolour when exposed to sunlight
- Forms a seamless membrane without joints
- Provides excellent adhesion to almost any type of surface
- Provides excellent adhesion to ceramic tiles and glazed surfaces
- The waterproofed surface can be used for domestic pedestrian traffic

#### PREMATHANE is suitable for the following applications:

- ✓ Internal bathrooms, laundries and wet areas with positive falls
- ✓ External podiums, parapet walls, retaining walls and balconies with positive falls
- ✓ It can be used over many common substrates including rendered brickwork, block work, fibrous cement products, concrete, cement, Gyprock, timber and metal surfaces with priming required on these substrates
- ✓ PREMATHANE can be used for internal and external applications.
- ✓ PREMATHANE is paintable with conventional acrylic paint.
- ✓ Stadiums
- ✓ Over exposed car parks
- ✓ Waterproofing of surfaces exposed to heavy wear conditions.

## Technical Data and Properties

<b>Form</b>	Single component viscous liquid
<b>Colour</b>	Grey or White
<b>Solid Content</b>	70%
<b>Elongation at break</b>	>500%
<b>Tensile Strength</b>	1.9Mpa
<b>Tear Resistance</b>	8-12 N/ mm <sup>2</sup>
<b>Recoat Time at 25°C 50% RH</b>	4-8 Hours
<b>Tack Free Time at 25°C 50% RH</b>	24 Hours
<b>Full Cure Time at 25°C 50% RH</b>	5 Days
<b>Application temperature</b>	10-40°C

## Product Management

### Application

Ensure surface is clean and free of all coatings, laitance, dirt, dust, mould, grease or other contamination to leave a sound clean dry surface free of residue. All surfaces are to be smooth and free of cracks, voids, protrusions and imperfection. Please refer to the Technical Data Sheet for crack instructions. All metal surfaces should be clean and free of paint, oils, rust and other contaminants. PREMATHANE is to be laid on floors that provide positive falls to drainage outlets to eliminate water ponding.

### Priming – Concrete and absorbent substrates

You can dilute PREMATHANE with 10% water to apply as a primer in two coats. Allow 4 hours between coats and 24 hours to cure.

### Priming – Metal

Use an anti-corrosive Primer for metal. All metal surfaces should be cleaned and abraded prior to priming. Allow to cure.

### Joint Sealant

All floor/wall, corner junctions, water stops and drain outlets should be sealed with a bead of MS bond breaker. Allow to dry.

### **Reinforcement Fabric:**

To all joint sealed areas, overcoat with one coat of PREMATHANE, apply reinforcement fabric into wet coat. Ensure there are no bubbles or wrinkles. Allow to set/dry. Apply a further coat of PREMATHANE to fully penetrate and cover the fabric, lapping all edges. Allow drying over night.

### **Mixing**

PREMATHANE is a single pack membrane. Mix well before use.

### **Consumption**

- 2 coat application system for external sunlight exposed horizontal areas such as roof and floor areas
- 2 coat application system for vertical wall applications
- Allow 4-8 hours @ 20°C-25°C (in a well-ventilated area) between coats
- Allow 5 days @ 20°C-25°C to fully cure
- Recommended dry film thickness is 1mm or 1000 microns over 2 coats
- Coverage – Approx. 1 m<sup>2</sup> per litre per coat to give a 1mm dry film thickness over 2 coats

### **Clean Up**

Clean brushes and tools with water when wet. Avoid spillage.

### **Packing & Storage**

PREMATHANE is available in 15Ltr and 10Ltr pails. Pails should be stored in dry and cool rooms for up to 12 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°C-30°C. Products should remain in their original, unopened containers, bearing the manufacturer's name, product designation, and batch number and application precaution labels.

### **Available Colours**

Grey and White (Tintable\*)

\*Consult EPC before tinting

### **Safety:**

The use of gloves, safety boots and protective eyewear (against splashes) is recommended. Use breathing respirators at all times. Use in well ventilated areas. See the material safety data sheet for more information. SDS can be downloaded from [www.diywaterproofing.com.au](http://www.diywaterproofing.com.au)

### **DATA SHEET**

Data provided is typical but does not constitute a full specification. This should be sighted from the company for specific projects.

This Technical Data Sheet may be revised at any time to comply with relevant changes to the Australian Standards or to include changes to current technology.

## **IMPORTANT NOTICE**

Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from [www.diywaterproofing.com.au](http://www.diywaterproofing.com.au) or upon request from the office (03) 8812 2918. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

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