

**TECHNICAL DATASHEET****POLYURETHANE HYBRID WET AREA MEMBRANE****PRODUCT DESCRIPTION**

Delta 300 HYBRID WAM is a high performance membrane suitable for a wide range of under tile. Developed using advanced hybrid polyurethane technology, Delta 300 HYBRID WAM offers superior elastomeric and flexible properties while maintaining high tensile strength with outstanding waterproofing properties and low water vapour transmission. Delta 300 HYBRID WAM is capable of withstanding early water without re-emulsification.

Possessing excellent anti-fungal properties for the protection of external or covered applications enabling direct adhesion of overlaid finishes including screeds and render.

Delta 300 HYBRID WAM meets the requirements of:

- AS/NZS 4858:2004 *Wet Area Membranes as a Class III membrane.*
- AS 4654. *Parts 1 and 2, 2012: Waterproofing membranes for external/exposed above ground use.*

**PRODUCT FEATURES**

- Highly flexible and elastomeric
- Low vapour transmission properties and low water absorption
- Excellent adhesion properties
- Excellent early ponding water resistance.
- Once cured will not re-emulsify, handles permanently wet conditions
- Resistant to fungi, algae and low dirt retention
- Light foot trafficable
- Solvent free, non-hazardous
- Easy application by roller or brush

**APPLICATIONS**

- Roofs to be covered over with screeds and toppings
- External surfaces exposed and non-exposed.
- Internal wet areas, bathrooms, laundries and tiled areas
- Balconies, decks, podiums, terrace floors

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*Note: It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Details contained in product data sheets are general in nature. For any situation or items not covered in the data sheet, it is the responsibility of the applicator to check with relevant supplier before commencing the application.*

*Disclaimer: This report summarises our test results for the product on site. Clients should read the PDS (Product Datasheet) carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces and the manner in which, the product will be applied. DELTA Construction Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the misuse or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.*

26/05/2020

**GENERAL APPLICATION DETAILS**

- Surfaces must be clean, dry, suitably prepared and in a sound state prior to beginning the application.
- Substrates are recommended to be primed before applying the membrane. There are a range of DELTA primers suitable for a variety of substrates and applications.
- A suitable bond breaker must be used at all substrate junctions and movement joints. Ensure compliance with local waterproofing standards and building recommendations
- Delta 300 HYBRID WAM should be lightly stirred before using, and can be applied to both vertical or horizontal surfaces using a medium nap roller or brush
- Waterproofing of wet areas must be applied in accordance with the building code of Australia and AS 3740.

**COVERAGE**

A minimum of 2 coats is recommended to be applied at a total minimum coverage of 2 litres/m<sup>2</sup>. No less than 1.2mm Dry film thickness recommended for horizontal applications and 0.8mm Dry film thickness for vertical applications.

**GENERAL TECHNICAL DATA**Dry Times

Tack Free:	1-2 hours
Re-coat:	2-4 hours
Dry film:	24 hours
Tiling or toppings over:	24-48 hours
Weatherproof Vertical:	24 hours
Weatherproof Horizontal:	48 hours

*Based on normal ambient temperatures of 23°C and 50% RH*

*\*Temperature, humidity and porosity will vary dry times.*

Physical Properties

Appearance:	Highly viscous
Specific gravity of mixed product:	1.3kg/litre
Solids content:	>60%
Elongation:	>500%
Tensile Strength:	1.8MPa
Water vapour transmission:	0.7g/24h/m <sup>2</sup>
Shore A hardness:	55

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## RECOMMENDED PRIMERS

Delta 300 HYBRID WAM must be applied onto primed surfaces:

### DeltaPrime LPA – Latex Primer / Additive

For general porous vertical and horizontal building surfaces; Brush or roller apply primer to total surface area at a minimum coverage of 1L/6m<sup>2</sup> and allow drying for 30 minutes or once wet film dries to a clear transparent coating.

### DeltaPrime MSP – Multi Surface Primer

For non-porous, smooth and dense surfaces; Brush or roller apply primer to total surface area at a minimum coverage of 1L/12m<sup>2</sup> and allow drying for 1 hour.

### DeltaPrime MBE – Moisture Barrier Epoxy

For concrete rooftop applications and general surfaces subject to rising damp; Coverage of 1L/3m<sup>2</sup> per coat. Allow to dry for a minimum 24 hours before applying membrane. Primer must be tack free before applying membrane.

Note: Refer to relevant data sheets for additional information.

## IMPORTANT NOTES

- Do not apply to areas when rain is imminent.
- Do not apply when temperature is below 5°C or above 33°C.
- Not to be used in areas subject to negative hydrostatic pressure.
- All finish coatings over this membrane must be solvent free.
- Polymer modified cement-based tile adhesives are recommended for direct adhesion to the membrane.
- Acrylic or SBR bonding agents are recommended for applications of screeds and renders directly over the membrane
- Best storage condition is in a dry area at room temperature, avoiding humidity and frost.
- Product while in a wet state will clean up with water. Once dried product will need to be removed by mechanical means or with solvent cleaners.

## PACKAGING

Available in 15L polypropylene pails

## CLEANING

Use water if membrane is still wet. Use solvent or mechanical means if membrane has dried.

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## STORAGE CONDITIONS

Store at room temperature  
Avoid storing on direct concrete floor in freezing conditions 12 month shelf life (unopened)  
Avoid storing in direct sunlight

## HEALTH & SAFETY

The product is non-toxic but good hygiene and industrial practices should always be employed.  
Refer to the relevant Safety Data Sheet (**SDS**) available.

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