



# TTC WP Membrane

## WATER BASED WET AREA MEMBRANE

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### **DESCRIPTION:**

**TTC WP Membrane** is a Class III, high performance, fibre reinforced latex membrane designed for under tile waterproofing applications to internal and external areas. Forming a tough, durable and elastomeric finish, TTC WP Membrane provides a compatible surface for bonding tiles and toppings.

TTC WPM has been independently tested and complies to AS4858:2004 and AS4654.1:2012 for use in internal and external wet areas.

### **FEATURES AND BENEFITS:**

- Water based, solvent free
- Class III membrane
- Flexible and elastomeric
- Excellent adhesion
- Tough and durable
- Low water vapour transmission properties
- Suitable for direct fixing of tiles and toppings
- Independently tested and certified to AS4858:2004 and AS4654.1:2012 internal and external applications

### **USES:**

- Bathrooms, showers and laundries
- Balconies, decks and terraces
- General areas to be waterproofed under tile finishes

### **SUBSTRATES:**

- Concrete
- Render
- Screed
- Masonry
- Fibre cement sheeting
- Plasterboard

**NOTE:** Contact Tilers Trade Centre for suitability over surfaces not listed above

### **SURFACE PREPARATION:**

- All surfaces are to be clean, sound, smooth, dry, and free from loose material and general contaminating materials
- All unsound surface layers and surface contaminants to be mechanically removed.
- All surface defects including voids, holes, damaged and pitted sections, cracks and rough surfaces to be treated with a suitable repair system
- All surfaces and substrates must be fit for purpose and constructed/installed to manufacturer's recommendations and relevant building standards in force at time of application
- Concrete to be allowed to cure for at least 28 days, and cement render/sand cement screeds allowed to cure for at least 7 days
- Surfaces to be tested for residual moisture content as per requirements under AS 3740 and AS 4654.2
- For damp surfaces exceeding the specified threshold, a suitable moisture/vapour barrier system must be used

### **PRIMING:**

TTC WP Membrane must be applied over a primed surface

Apply a suitable primer to surfaces to the extent of the waterproofing application as per manufacturers recommendations, in line with relevant standards and project specifications

### **BONDBREAKER SYSTEM:**

Install a suitable/compatible bond breaker tape or sealant system to wall/floor junctions and joint transitions commensurate with requirements for Class III membranes under AS 3740 and AS 4654.2 for internal and external wet areas respectively

Seal all penetrations, leak control flanges, fixtures, cracks and required areas with a suitable/compatible flexible sealant



### **APPLICATION & COVERAGE:**

- TTC WP Membrane is to be installed as per requirements outlined in current edition of the NCC (National Construction Code of Australia) and applicable waterproofing standards
- Using a brush or medium nap roller, apply a first coat to the surface achieving a minimum wet film thickness of 0.75mm
- Once the first coat is dry, apply a second coat at right angles to the first coat to the surface achieving a minimum wet film thickness of 0.75mm.
- TTC WP Membrane is to be applied in a minimum of 2 coats at a total minimum coverage of 1.5 litres/m<sup>2</sup>, achieving a dry film thickness (DFT) of 1mm

### **DRY TIMES:**

<b>Dry film</b>	24 hours
<b>Recoat</b>	2-4 hours
<b>Screeding /Tiling</b>	48 hours

**Note:** Figures based on ambient temperatures of 23°C and 50% RH. Longer drying times will be required in cooler temperatures and high humidity

### **TILING:**

- Refer to TTC Premium Rubber and TTC Mastik Tile Adhesives for details. Consult with Tilers Trade Centre for advice on alternative adhesive options
- Pre-bagged, engineered screeds can be applied over the TTC WPM membrane
- If using a site screed mix, proprietary bonding agents to be used in the mix to facilitate adhesion to the membrane

### **CLEAN UP:**

- Clean up with water while wet
- Once dry product needs to be removed mechanically or by solvent

### **PACKAGING:**

15litre pail

### **SHELF LIFE/STORAGE:**

- 12 months when stored in original unopened packaging
- To be stored in a dry area off the ground
- Do not store in direct sunlight.

### **LIMITATIONS:**

- Do not apply when surface or ambient temperatures are below 5°C or above 35°C
- Do not apply when raining or if rain is imminent
- Not to be used for immersed applications
- Not to be used as a trafficable membrane surface
- For further information contact Tilers Trade Centre

### **HEALTH & SAFETY:**

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

### **TECHNICAL DATA:**

<b>Colour</b>	Blue
<b>Form</b>	Viscous liquid
<b>Specific Gravity</b>	1.2g/cm <sup>3</sup>
<b>Water Vapour Transmission</b>	
<small>ASTM E96 Desiccant method</small>	4g/24h/m <sup>2</sup>
<b>Tensile Strength</b> <small>AS 1145</small>	> 1MPa
<b>Elongation</b> <small>AS 1145</small>	> 350%
<b>Classification</b>	Class III



**WARRANTY STATEMENT:**

Tilers Trade Centre guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

Tilers Trade Centre will replace the product free of charge when purchased from any legally verifiable source and where the product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to Tilers Trade Centre.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by contacting Tilers Trade Centre.

**AUSTRALIAN CONSUMER LAW:**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

**DISCLAIMER:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

***Tilers Trade Centre***

***13 - 15 Fishermans Road Kuluin, Qld 4558***

***Opening Hours: Mon-Thurs: 5:30AM -***

***4:00PM Fri: 5:30AM – 3:30PM Sat-Sun: Closed Hervey***

***Bay Store The Fit Out Hub 3 Booral Road Urangan Hervey Bay, Qld 4655***

***Opening Hours: Mon-Friday: 6:30AM - 3:00PM Sat-***

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