

Product Overview

WM10-02 is a two component latex cementitious membrane designed for a range of waterproofing applications including wet areas, showers, podiums, terraces, balconies, immersed and subterranean areas.

WM10-02 possesses fast drying and high adhesion properties. Suitable for use over a range of substrates, it provides a unique durable membrane while maintaining flexible and permanent waterproofing properties. Outstanding bonding properties are achieved for the overlay of surface finishes including renders, screeds, and tile adhesives. Suitable for cool or humid environments to enable tiling after 24 hours.

WM10-02 meets the requirements of:

- ✓ AS/NZS 4858:2004 *Wet Area Membranes as a Class III membrane*
- ✓ AS3740: 2004 *Waterproofing of Wet Areas Within Residential Buildings*
- ✓ AS/NZS 4020:2005 *Potable/Drinking Water Storage*

Product Features

- Excellent adhesion to surfaces
- Fast curing
- Water based, free of solvents, non-toxic and non flammable
- Waterproof, withstanding continuously wet and immersed environments
- Flexible, accommodating normal substrate movement from building surfaces.
- Excellent bonding properties for renders, screeds, tile adhesives and toppings
- Durable and tough
- Low odour and free of dangerous fumes in warm and/or confined areas.
- Can be applied by brush or roller on horizontal and vertical surfaces without sagging

Typical Applications

- Internal wet areas, bathrooms, laundries and tiled areas
- Balconies, decks, podiums, terrace floors
- Parapet and feature walls
- Water features, swimming pools
- Potable water storage facilities, retention tanks and general water tank areas
- Planters, retaining walls
- General tiled areas to prevent moisture ingress

Substrates suitable for bonding WM10-02 over include:

- Wet area timber sheeting and external grade plywood
- Concrete, render and masonry
- Fibre cement sheeting, plasterboard and structural sheeting
- Aerated concrete panels and blocks

For further information on suitable surfaces and substrates contact technical department of Total Waterproofing Supplies for correct advice on surface preparation and suitability

General Application Details

Priming

- Membrane must be applied onto primed surfaces
- Primer - for general porous vertical and horizontal building surfaces. Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 6m² and allow drying for 30 minutes or once wet film dries to a clear transparent
- Primer - for non porous, smooth and dense surfaces. Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 12m² and allow to dry for 1 hour

Surface Preparation

- Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, smooth, stable, dry, and clean.
- Rough surfaces and voids to be evened or filled first and all brick/block surfaces to be pointed flush. All general surface defects to be repaired.
- Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application
- All surfaces are to be free of sharp protruding objects, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.
- Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

Mixing

WM10-02 consists of a 10 litres liquid component and a 15kg dry powder component. Membrane is formed by mixing 15kg powder to 10 litres of liquid.

To mix smaller quantities, measure on parts by volume, mix 1:1 liquid to dry powder.

When mixing, slowly add the dry powder component to the liquid, ensuring the mixing of components is continuous while the powder is added. Using an electric/mechanical stirrer with a paddle attachment at a slow-medium speed, mix the dry component until it is evenly dispersed into the liquid and lump free.

Allow the mix to settle for 3-5 minutes then re-stir before use. Pot life once mixed is 60-75 minutes; however, this may be reduced in warmer weather

Precautions

- Not to be used as a trafficable surface
- Do not apply to areas when rain is imminent
- Do not apply when surface temperature is below 5 degrees or above 30 degrees Celsius
- Not to be applied over glass or glazed surfaces
- Not designed as a sealant for expansion or control joints
- Not to be used in areas where solvent or petroleum based products may be spilled
- Not to be used in areas subject to negative hydrostatic pressure
- All finish coatings over this membrane must be water based and solvent free
- Allow minimum 72 hours drying after final application if treated area is to be flood tested

Storage Conditions

- Best stored at room temperature.
- Avoid cold freezing conditions and off concrete floors
- Do not store in direct sunlight.
- Shelf life: Liquid component is 12 months in unopened container; powder component is 12 months in unopened packaging

**WM10-02****TWO COMPONENT LATEX
CEMENTITIOUS MEMBRANE**

Packaging

- Liquid Component – 10 litres (in a 15 litre pail)
- Dry Powder Component 15kg bag

General Technical Data

Drying times	
Tack Free	45 – 50 mins
Recoat	2-4 hours
Dry Film	8-10 hours
Tiling/topping	24 hours
Flood testing	72 hours
Immersion	21 days

**Based on normal ambient temperatures of 23°C*

Physical Properties	
Specific Gravity	1.3kg/litre
Solids content	>78%
VOC	0.08g/litre
Appearance	Liquid white – Dry light grey
Elongation	239% class 2
Tensile Strength	1MPa
Water Vapour Transmission	0.22g/24h/m2
Shore A Hardness	92

Contact Details

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Product disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS 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 to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Total Waterproofing Supplies does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.