



Tradies Choice – WPM 1k

DESCRIPTION

Tradies Choice WPM 1K is a fast drying 1 component fibre reinforced waterproof membrane that is suitable for a wide range of waterproofing applications.

Based on unique cross linking polymer technology, Tradies Choice WPM 1K displays outstanding adhesion properties over numerous building substrates including concrete, masonry, renders, cement sheeting, cement-based compounds and plaster board surfaces.

Tradies Choice WPM 1K also offers excellent surface adhesion properties for typical overlaid finishes such as renders, screeds and tile adhesives.

Tradies Choice WPM 1K is suitable for application by brush or trowel.



RECOMMENDED USE:

Install tile or pavers directly over with SAS Master Pro X- tech or Master Grip Lite.

Can be applied over sand and cement screeds to reduce efflorescence.

Flexible membrane for applications such as planter boxes and retaining walls.

In situations subject to 5 bar positive and 1.5 bar negative hydrostatic pressure.

Note: For swimming pools please use Litokol Aquamaster EVO.



SURFACE PREPERATION

The surfaces must be cleaned and remove all previous coatings, or any traces of grease release agents, cement laitance and any other material which could reduce adhesion to the substrate. Ensure that the substrate is dampened but not wet before applying WPM 1K. New concrete and render must have cured for a minimum of 28 days.



MIXING

Mix 3.5 - 3.75 L of water per 10kg bag for brush application and 3 - 4 L for trowel application. An electric stirrer and paddle is recommended to be used to ensure a homogenous state is formed. Starting with a slow mixing speed, the powder component should be slowly added to the liquid, increasing the mixing speed as the powder addition increases. Mixing should continue until product is consistent and lump free, then allow product to settle for a few minutes before re-stirring lightly. Product will then be ready to use.



MOVEMENT JOINTS

Movement joints must be in accordance with Australian Standards AS 3958.1-2007



DRYING TIME

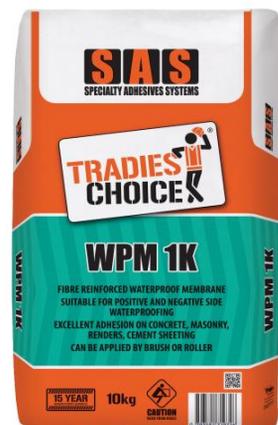
Tradies Choice WPM 1K is not designed for use as an exposed membrane.

- 4-6 hours between 1st and 2nd coat @ 23^o C
- Full cure 24 hours @ 23^o C
- Immersion 7 days@ 23^o C



COVERAGE

A minimum of 2 coats is recommended to be applied for general wet areas at a total minimum coverage of 1,2kg/m²/mm



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PACKAGING

10kg Powder



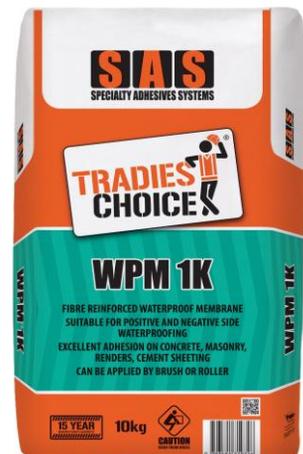
APPLICATION

- Waterproofing should be applied in accordance with the Australian Standards.
- All porous surfaces must be primed with SAS Master primer. For non-porous substrates such as external cement sheeting e.g., Scyon it must be primed with Tradies Choice Moisture Barrier. As a wet area membrane requires a suitable bond breaker at all substrate junctions, please use Tradies Choice FC Polyurethane sausage.
- Apply the first and second WPM 1 K coats to a minimum wet film thickness of 1.5mm
- Once hardened and after removing any surface condensation, apply the second coat ensuring a minimum of 2mm thick and a maximum of 3mm dry film thickness.
- For all other applications not mentioned please contact the SAS Technical team.
- Note: Protect waterproofing from other trades and weather until cured.



PRECAUTIONS

- Tradies Choice WPM 1 part cannot be applied in temperatures above 35°C or below 5 °C
- Tradies Choice WPM 1K in dry film thickness (after 2 coats) is 2.0mm.
- Regularly check with a wet film gauge during the application of coats.
- The installation of a protection board against ballast, such as pebbles or similar loose – laid unbound coverings, must be isolated from the membrane by a compatible drainage cell and filter fabric system.
- For all other applications not mentioned please contact the SAS Technical team





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TECHNICAL DATA	Requirement	Test method
Appearance	Grey powder	
Pot life	≥ 1 hr	
Initial tensile strength	≥ 0,5N/mm ²	A.6.2
Tensile adhesion strength after water contact	≥ 0,5N/mm ²	A.6.3
Tensile adhesion strength after heat ageing	≥ 0,5N/mm ²	A.6.5
Tensile adhesion strength after freeze- thaw cycles	≥ 0,5N/mm ²	A.6.6
Tensile adhesion strength after contact with lime water	≥ 0,5N/mm ²	A.6.9
Tensile adhesion strength after contact with chlorinated water	≥ 0,5N/mm ²	A.6.7
Crack bridging ability under standard conditions	≥ 0,75 mm	A.8.2
Crack bridging ability under standard (-5 °C)	≥ 0,75 mm	A.8.3
Crack bridging ability under standard (-20 °C)	≥ 0,75 mm	A.8.3
Waterproofing	No visual penetration below the membrane	A.7
Water penetration under positive pressure	5 bar	
Water penetration under negative pressure	1.5 bar	

MANUFACTURERS WARRANTY

Tradies Choice WPM- 1k is backed by our 15 year manufacturers warranty

SDS is available from www.sas-aa.com.au



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 Date:1.12.23

Disclaimer: The information supplied is to the best of SAS knowledge and is true and accurate. The application of the product is beyond SAS control and any alleged failure or damage must be inspected by a representative from SAS. All workman ship must be carried out in accordance with AS 3958.1-2007.