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# ARDEX WPM 1000

## External Weldable Undertile Sheet Membrane

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Manufactured in New Zealand

BRANZ Appraised (No. 727)

Heat-welded laps and seams

Fleece-lined for greater adhesion

Thin and consistent membrane thickness

Excellent flexibility - no requirement for fillet or bond breakers

Excellent resistance to tearing, cracking, bubbling, and absorption

Fully compatible with ARDEX tiling systems

**WeldTec.**<sup>TM</sup>



**BRANZ Appraised**  
Appraisal No.727 [2017]

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# ARDEX WPM 1000

## External Weldable Undertile Sheet Membrane

### DESCRIPTION

ARDEX WPM 1000 is a fleece-lined waterproofing sheet membrane specially formulated for the direct adhesion of tiled systems or for other non-exposed use. ARDEX WPM 1000 is heat-welded at laps and seams to create a superior bond, consistent gauge and allow a quick installation. ARDEX WPM 1000 has excellent flexibility, durability, and superior resistance to tearing, cracking, bubbling and absorption.

### USES

ARDEX WPM 1000 is specifically designed to be used as an external waterproofing membrane for directly adhered tiled surfaces or for other non-exposed use. ARDEX WPM 1000 is suitable for use with most ARDEX tile adhesives in domestic and commercial locations over most common substrates.

ARDEX WPM 1000 is an approved waterproofing membrane for use under ARDEX undertile drainage systems such as ARDEX UD 150. Install in accordance with the product datasheet.

### SUBSTRATES

Suitable substrates include concrete, plywood, CFC sheet, timber, closed cell polyurethane foam, paper-faced plasterboard.

For further substrate types please consult ARDEX Technical Department.

### SURFACE PREPARATION

The surface being adhered to must be clean, firm and free dust, dirt, oil, grease, curing compounds, release agents and other barrier materials that may damage the membrane.

### PRIMING

Prior to the application of ARDEX WPM 1000 in cases of extreme porosity the surface may require priming with a suitable ARDEX primer in accordance with the product datasheet. Coverage of primer may depend on the porosity of the substrate.

The exact specification will depend on functional and economic requirements. Advice should be sought for suitable specification from ARDEX.

### INSTALLATION

The installation of ARDEX WPM 1000 should be carried out by an approved ARDEX Installer.

Installation shall be undertaken in accordance with all relevant technical information related to the selected installation method, including information contained within the ARDEX installation documents.

ARDEX WPM 1000 is to be adhered with a suitable adhesive such as ARDEX WA 98 in accordance with the appropriate product datasheet.

ARDEX ST Tapes should be used for detailing or reinforcement of critical areas.

### STORAGE

ARDEX WPM 1000 has an indefinite shelf life when stored in good conditions, between 5°C and 30°C. Store rolls horizontally in dry conditions out of direct sunlight. Store away from sources of puncture and physical damage. Store away from ignition sources and open flame.

### PACKAGING

ARDEX WPM 1000 comes in rolls of 1.4m x 20m x 1mm. Each roll covers 28m<sup>2</sup>.

### PRECAUTIONS

ARDEX WPM 1000 is considered non-hazardous in normal use, however good hygiene practices should be followed. Consult the relevant Safety Data Sheets for further information.

ARDEX WPM 1000 is not suitable as a trafficable surface nor as an exposed membrane. If ARDEX WPM 1000 is needed to be left exposed before tiling commences, ensure that care is taken to protect from general traffic and any source of damage.

### TECHNICAL DATA

Characteristics	Test Method	Nominal Value
Gauge		1mm
Specific gravity	ASTM D297	1.26 ± 0.05
Tensile strength	ASTM D412	5.0 MPa min.
Modulus at 300% elongation	ASTM D412	4.00 MPa min.
Elongation at break	ASTM D412	300% min.
Tear die	ASTM D624	26.5 kN/m min.
Hardness (°IRHD)	ASTM D1415	70 ± 5
Tensile retained	ASTM D412	70% min.
Ozone Resistance	ASTM D1149	No visible cracks
Water vapour transmission	AS/NZS 4858	1.35 g/m <sup>2</sup> /24 hours

**Toll Free Technical Services:**  
**1800 224 070 (Australia)**  
**0800 227 339 (New Zealand)**

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable New Zealand & Australian Standards, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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