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# ARDEX WPM 3000X

## Self-Adhesive Bituminous Waterproofing Membrane

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Self-adhesive SBS membrane with HDPE film

Suitable for damp-proofing foundations of underground structures

Tough, stable and extensible

Acts as a barrier to radon and methane gas

Resistance to most chemicals

High tear and perforation resistance

High initial tack - even in cold temperatures

Cold applied - perfect for use where flames are not permitted

Self-sealing

Quick installation



**BRANZ Appraised**  
Appraisal No.462 [2021]

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# ARDEX WPM 3000X

## Self-Adhesive Bituminous Waterproofing Membrane

### DESCRIPTION

ARDEX WPM 3000X is a self-adhesive bituminous waterproofing membrane which is self-protected by a cross-laminated high-density polyethylene (HDPE) film. The HDPE film gives the membrane high dimensional stability and elongation properties suited to below-ground stresses. The bituminous compound gives the membrane its mechanical and physical characteristic, such as high heat stability, shape and chemical resistance.

### USES

ARDEX WPM 3000X is ideal for use as a damp-proofing membrane for foundations, below-ground applications, retaining walls or other compatible hard coverings.

### SUBSTRATES

ARDEX WPM 3000X is suitable for use over concrete, render, screeds, fibre cement sheets, structural or marine grade plywood and polystyrene blocks.

For further substrate types please consult ARDEX Technical Department.

### SURFACE PREPARATION

All surfaces must be clean, dry, smooth, free of sharp edges, loose or foreign materials, oil, grease, and other materials that may damage the membrane. If concrete has moisture on the surface use a gas torch to dry and warm before priming.

### INSTALLATION

Prior to the installation of ARDEX WPM 3000X all prepared surfaces must be primed with ARDEX WPM 240 Solvent based primer or ARDEX WPM 247 water based primer.

Starting at the lowest point, the membrane must be installed in accordance with the technical literature. Sheets edges must be overlapped a minimum of 60 mm as marked on the sheets. End laps must be a minimum of 100mm, with upper sheets lapped over lower sheets. Internal and external corners of single layer systems must be reinforced with an extra layer of membrane 300mm wide.

The top edge of ARDEX WPM 3000X must be terminated into a chase or sealed with an ARDEX Pressure Bar and finished with ARDEX Bituminous Sealant.

In critical areas a specifier may require a second layer of ARDEX WPM 3000X to be applied. In this scenario installation must occur with laps staggered between each layer.

ARDEX DRS 10 GC protection and drainage membrane must be installed before backfilling in accordance with the product datasheet. Backfilling should commence immediately after the membrane is installed to ensure the membrane is not left exposed to sunlight or UV radiation. In no circumstance should ARDEX WPM 3000X be left exposed to UV for more than 2 months.

Installation of the membrane must be completed by an approved ARDEX installer and who has experience in the application of self-adhesive membranes.

Note: A Licenced Building Practitioner (LBP) is required to carry out Restricted Building Work. An LBP must do or supervise this work. They must work within the scope of their licence class.

In critical areas a specifier may require a second layer of ARDEX WPM 3000X to be applied with laps staggered to the layer.

ARDEX hydrophilic products should be considered for use in all construction joints depending on the specifics of the installation.

All edges and membrane detailing work must be finished with ARDEX Bituminous Sealant.

### STORAGE

ARDEX WPM 3000X should be stored in a covered area protected against sunlight and UV radiation. Rolls should be stored in a vertical position on a smooth floor so as not to damage the edges.

### PACKAGING

ARDEX WPM 3000X comes in rolls of 20m x 1m x 1.5mm weighing approximately 30kg.

Product Name	Thickness	Colour	Product Code
ARDEX WPM 3000X	1.5mm	Black	10543

## TECHNICAL DATA

CHARACTERISTICS	TEST METHOD	UNITS	NOMINAL VALUE
Impact Resistance Method A Method B	EN 12691	mm mm	500 1000
Static Load Resistance Method A Method B	EN 12730	kg kg	10 15
Tear Resistance Longitudinal Transversal	EN 12310-1	N N	125 65
Peel Resistance of Joints	EN 12316-1	N/50mm	65
Shear Resistance of Joints Longitudinal Transversal	EN 12317-1	N/50mm N/50mm	180 200
Peel Resistance on Concrete at 23°C	ASTM D 1000	N/mm	2.9
Probe Tack	ASTM D 2979	N	7
Impermeability	EN 1928	>60 kPa	Pass
Vapour Transmission Rate	EN 1931	μ	90000
Water Absorption	ASTM D 570	%	0.09
Hydrostatic Test	DN 52123		>6 bar (24hrs)/no leakage at 3 bars for 1hr
Permeability to Radon Gas Institute	SP Swedish Nat. Testing & Research	m <sup>2</sup> /s	5.7 x 10 <sup>-12</sup>
Permeability to Methane gas	CSI Method		<5 cc/m <sup>2</sup> x 24h x atm
Application Temperature			+5°C/+45°C
Service Temperature			-40°C/+80°C

Complying with EN 13969 types A and T: EN 14967

Volatile Organic Compound emissions (VOC): 250 μg/m<sup>3</sup>

Classification for transport: Not Applicable

Reaction to fire: E (EN 11925-2; EN 13501-1)

**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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