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# ARDEX WPM 1000 RR

## WeldTec Root Repell Membrane

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Contains a root inhibitor to prevent damage from root penetration

Manufactured in New Zealand

Welded application for strong, consistent waterproofing membrane

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

Suitable for planter boxes, retaining walls, green roofs

**WeldTec™**

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# ARDEX WPM 1000 RR

## WeldTec Root Repell Membrane

### DESCRIPTION

ARDEX WPM 1000 RR is a high-performance, single-ply waterproofing membrane designed for use in areas susceptible to root damage. The membrane contains a premium root inhibitor that repels root growth without killing the root. It is designed primarily for areas covered with, or exposed to soil and plants. Once installed, ARDEX WPM 1000 RR will remain a permanently flexible waterproof lining and bond to most building surfaces.

ARDEX WPM 1000 RR is one of the WeldTec range of membranes which are heat-welded at laps and seams to create a superior bond, consistent gauge and allow a quick installation. ARDEX WPM 1000 RR has excellent flexibility, durability, and superior resistance to tearing, cracking, bubbling and absorption.

### USES

ARDEX WPM 1000 RR is ideal for use in areas exposed to plants and the membrane or building may be susceptible to damage from roots, such as green/living roofs, planter boxes, retaining walls, or building foundations.

### SUBSTRATES

Suitable substrates include concrete, plywood, CFC sheet, timber, and concrete.

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

### STORAGE

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

### PRECAUTIONS

Consult the relevant Safety Data Sheets for further information.

ARDEX WPM 1000 RR is not suitable as a trafficable surface nor as an exposed membrane. If ARDEX WPM 1000 RR 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	6.0 MPa min.
Modulus at 300% elongation	ASTM D412	4.00 MPa min.
Elongation at break	ASTM D412	300% min.
Tear die	ASTM D624	26.25 kN/m min.
Hardness (°IRHD)	ASTM D1415	75 ± 5
Tensile retained	ASTM D412	70% min.
Ozone Resistance	ASTM D1149	No visible cracks
Water vapour transmission	AS/NZS 4858	0.11 g/(m <sup>2</sup> .24 hours)

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

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