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# ARDEX WPM 715

## 1.5mm Weldable Roofing Membrane

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Welded laps and seams for fast installation

Excellent resistance to ageing from heat, sunlight and ozone

Excellent resistance to atmosphere agents

Excellent resistance to geothermal gas including hydrogen sulphide and methane

Excellent flexibility at lower temperatures

Suitable for foot traffic

Suitable for potable water collection

No significant maintenance required

Available in black and grey

1.5mm gauge

Manufactured in New Zealand

**WeldTec.**<sup>™</sup>

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# ARDEX WPM 715

## 1.5mm Weldable Roofing Membrane

### DESCRIPTION

ARDEX WPM 715 is a 1.5mm weldable waterproofing membrane with properties which resist ageing from heat, sunlight and ozone. It has excellent gas impermeability and toughness and remains flexible at low temperatures and is suitable in all climatic zones. ARDEX WPM 715 is suitable for use in an area requiring foot traffic.

ARDEX WPM 715 is part of the ARDEX WeldTec range of products that is installed with heat welded laps and seams. The welding process ensures a fast installation and added security.

### USES

ARDEX WPM 715 is ideal for use as a trafficable, single layer membrane in horizontal or vertical applications for waterproofing decks and roofs.

### SUBSTRATES

Concrete, Plywood, Insulation Board, Orientated Strandboard, CFC Sheet, Timber, Galvanised Metal, Zinalume, Polyurethane Foams.

For further substrate types please consult ARDEX Technical Department.

### SURFACE PREPARATION

Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5mm wide shall be properly filled with an acceptable fill material.

Refer to the relevant ARDEX Substrate Specification document for further information.

### PRIMING

Prior to the application of ARDEX WPM 715 in cases of extreme porosity the surface may require priming with ARDEX WA 98A + ARDEX WPM 290 50/50 Blend. Coverage of primer will depend on the porosity of the substrate.

### INSTALLATION

The installation of ARDEX WPM 715 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 715 is normally fully bonded to the prepared substrate with side and end laps of 40mm. Overlaps are heat welded at 460°C and at a speed of 2m/min with a Leister Uniplan E hot air welding machine.

If required, ARDEX WPM 715 can be bonded to itself or certain surfaces using ARDEX Seam Tape. Please read the appropriate datasheet for more information.

ARDEX WPM 715 may be used in various combinations to produce a variety of specifications tailored to suit the individual waterproofing need. The exact specification will depend on functional and economic requirements. Advice should be sought for suitable specification from ARDEX.

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

### STORAGE

ARDEX WPM 715 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.

### COVERAGE

ARDEX WPM 715 comes in a roll of 28m<sup>2</sup>.

The actual coverage achieved in practice is affected by installation technique, specifics of building design, and substrate differences.

### PACKAGING

ARDEX WPM 715 comes in rolls of 1.4m x 20m x 1.5mm.

| Product Name    | Colour    | Product Code |
|-----------------|-----------|--------------|
| ARDEX WPM 715 B | Black     | 32336        |
| ARDEX WPM 715 G | Dove Grey | 32341        |

## TECHNICAL DATA

| Characteristics                | Test Method             | Nominal Value   | Result                  |
|--------------------------------|-------------------------|---|-------------------------|
| Abrasion Resistance            | AS 1580.403.2           | 0.04mm  | Regular vehicle traffic |
| Bond Strength                  | ASTM C794               | Concrete: 25N<br>Plywood: 18N                                   |                         |
| Cyclic Movement                | CSIRO Moving Joint Test |   | Pass                    |
| Dimensional Stability          | ASTM D6207              | < 1mm   | Pass                    |
| Durability                     | AS 4654.1<br>Table A4   |   | Pass                    |
| Elongation at break            | AS4654.1<br>Appendix A  | > 3.93 MPa<br>> 500% Elongation                                 | Class III               |
| Heat Ageing                    | AS/NZS 4858             | > 6.33 MPa<br>> 500% Elongation                                 |                         |
| Hydrogen Sulphide resistance   | EN 1847                 |   | Pass                    |
| Hydrogen Sulphide permeability | ASTM D1434              | 2.72156E-06<br>cm <sup>3</sup> *cm/<br>(cm <sup>2</sup> *s*atm) |                         |
| Ozone Resistance               | ASTM D1149              |   | Pass                    |
| Tear Strength                  | ASTM D624               |   | Pass                    |
| Temperature Resistance         | AS 4654.1<br>Clause 2.6 |   | Pass                    |
| Tensile Strength               | AS 4654.1<br>Table A4   | > 3.93 MPa<br>> 500% Elongation                                 |                         |
| Ultraviolet Resistance         | AS 4654.1<br>Table A4   | After 4224 hours<br>QUV exposure                                | Pass                    |
| Use with Potable Water         | AS/NZS<br>4020:2005     |   | Pass                    |
| Water absorption               | AS 3558.1               | 0.05%   |                         |
| Water vapour transmission rate | ASTM E96                | 0.07 g/m <sup>2</sup> /24<br>hours                              |                         |

## PRECAUTIONS

ARDEX WPM 715 is non-hazardous in normal usage, however good hygiene practices should be followed. Consult the relevant Safety Data Sheets for further information.

For the latest technical or health and safety information on this product, consult the current product or safety data sheet online at: [www.ardex.co.nz](http://www.ardex.co.nz)

Exercise caution when lifting, moving, transporting, storing or handling membrane rolls to avoid sources of punctures and possible physical damage.

**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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