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# ARDEX WPM 710 DT

## WeldTec External Detail Tape

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Weldable detail tape for use with external ARDEX WeldTec products

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 potable water collection

Available in black and grey

Available in 100mm and 300mm widths and in 150mm diameter patches

Manufactured in New Zealand

**WeldTec.**<sup>™</sup>

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# ARDEX WPM 710 DT

## WeldTec External Detail Tape

### DESCRIPTION

ARDEX WPM 710 DT is a weldable detail tape for use with external ARDEX WeldTec products. ARDEX WPM 710 DT has properties which resist ageing from heat, sunlight and ozone. It has excellent toughness and remains flexible at low temperatures and is suitable in all climatic zones.

ARDEX WPM 710 DT 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 710 DT is ideal for use as a detailing tape with external ARDEX WeldTec products 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.

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

### INSTALLATION

The installation of ARDEX WPM 710 DT 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 710 DT is welded directly to external ARDEX WeldTec membranes using an appropriate hot air welder at a temperature of 460°C. ARDEX WPM 710 DT can also be bonded with external ARDEX WeldTec membranes and other surfaces utilising ARDEX Seam Tape.

**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 710 DT 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 710 DT comes in a roll of different sizes and formats with varying nominal coverage - see table below.

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

### PACKAGING

ARDEX WPM 710 DT comes in rolls of 20m x 1.0mm and circular patches in varying widths and colours.

Product Name	Format	Colour	Width	Product Code
ARDEX WPM 710 DT	Tape	Black	100mm	32446
ARDEX WPM 710 DT	Tape	Black	300mm	32443
ARDEX WPM 710 DT	Patch	Black	150mm	32461
ARDEX WPM 710 DT	Tape	Grey	100mm	32545
ARDEX WPM 710 DT	Tape	Grey	300mm	32444
ARDEX WPM 710 DT	Patch	Grey	150mm	32462

### 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 Plywood: 18N	
Cyclic Movement	CSIRO Moving Joint Test		Pass
Dimensional Stability	ASTM D6207	< 1mm	Pass
Durability	AS 4654.1 Table A4		Pass
Elongation at break	AS4654.1 Appendix A	> 3.93 MPa > 500% Elongation	Class III
Heat Ageing	AS/NZS 4858	> 6.33 MPa > 500% Elongation	
Hydrogen Sulphide resistance	EN 1847		Pass
Hydrogen Sulphide permeability	ASTM D1434	2.72156E-06 cm <sup>3</sup> *cm/ (cm <sup>2</sup> *s*atm)	
Ozone Resistance	ASTM D1149		Pass
Tear Strength	ASTM D624		Pass
Temperature Resistance	AS 4654.1 Clause 2.6		Pass
Tensile Strength	AS 4654.1 Table A4	> 3.93 MPa > 500% Elongation	
Ultraviolet Resistance	AS 4654.1 Table A4	After 4224 hours QUV exposure	Pass
Water absorption	AS 3558.1	0.05%	
Water vapour transmission rate	ASTM E96	0.07 g/m <sup>2</sup> /24 hours	

### PRECAUTIONS

ARDEX WPM 710 DT 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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