



ARDEX WPM 615

TPO Roofing Membrane

ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills NSW 2147
Tel: (02) 9851 9199
Fax: (02) 9674 5621
Email: techinfo@ardexaustralia.com
Internet: www.ardex.com

ARDEX New Zealand Ltd
32 Lane St, Woolston
Christchurch, New Zealand
Tel: (03) 373 6900
Fax: (03) 384 9779
Email: techinfo@ardexaustralia.com
Internet: www.ardex.com

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TPO Roofing Membrane

DESCRIPTION

ARDEX WPM 615 TPO is a flexible Thermoplastic PolyOlefin roofing membrane made from the incorporation of a ethylene propylene rubber into a polypropylene matrix and produced with a polyester weft inserted reinforcement.

PREPARATION

Roofing structure needs to be stable enough to support the temporary loading. 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.

APPLICATION

Place the membrane panel over the substrate and allow it to relax for approximately 30 minutes before seaming or flashing. Membranes are overlapped (side laps and end laps) in accordance with the installation instructions and details. Seams are heat-welded.

COVERAGE

The dimensions of the membrane are calculated to cover the substrate, including seam overlaps (75 mm for standard seams – 150 mm for seams with mechanical anchoring in the seam) and upstands.

Provide an additional length (150mm) at upstands for easy manipulation.

PHYSICAL CHARACTERISTICS

- Excellent durability and tear and puncture resistance
- High chemical, (micro)bacterial, UV and weathering resistance
- No plasticizers or chlorinated ingredients
- Avoid contact with oil and petroleum based products, grease and hot bitumen

TECHNICAL CHARACTERISTICS

Property	Test Method	Value
Watertightness	EN 1928 (A)	Pass
Tensile strength (both directions)	EN 12311-2	≥ 800 MPa
Elongation at reinforcement break	EN 12311-2	≥ 20%
Resistance to static loading (EPS & concrete)	EN 12730 (B)	≥ 25 kg
Resistance to impact (EPS & concrete)	EN 12691	≥ 10 mm
Tear resistance L/T	EN 12310-2	≥ 400 / 400 N
Joint peel resistance	EN 12316-2	≥ 100 N/ 50 mm
Joint shear resistance	EN 12317-2	≥ 800 N/ 50 mm
UV exposure	EN 1297	Pass
Foldability at low temperature	EN 495-5	≥ -45 °C
External fire performance	EN 13501-5	B _{ROOF} (t1)
Reaction to fire	EN 13501-1	E
Root resistance	prEN 13948	Pass

Note: For latest updates and additional info, please consult our website at www.ardex.com. Testing results and/or copies of Approval Documents for above - mentioned membranes are available upon request.

PACKAGING

Thickness 1.5 mm
Width 2.00 m
Length 30.5 m
Weight 1.54 kg/m²

STORAGE

Store away from sources of puncture and physical damage. Store away from ignition sources and open flame.
Unlimited Shelf Life

PRECAUTIONS

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

Contact ARDEX Technical Services Department for specific recommendations regarding chemical or waste product compatibility with ARDEX WPM 615 TPO Membrane.

ARDEX Australia Pty Ltd

Technical Services Toll Free: 1800 224 070

NSW Ph (02) 9851 9100 Fax (02) 9838 7970
QLD Ph (07) 3817 6000 Fax (07) 3881 3188
VIC/TAS Ph (03) 9308 9255 Fax (03) 9308 9332
SA Ph (08) 8268 2511 Fax (08) 8345 3207
WA Ph (08) 9256 8600 Fax (08) 9455 1227

ARDEX New Zealand Ltd

Technical Services Toll Free: 0800 227 339

Auckland Ph (09) 2967 690 Fax (09) 2967 689
Wellington Ph (04) 5685 949 Fax (04) 5686 376
Christchurch Ph (03) 373 6900 Fax (03) 3849 779

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