



ARDEX WPM 114

Self-Adhesive Vented Base Sheet

4.0mm APP Vented Base Sheet

Excellent elongation and flexibility

Heat activated and self-adhesive for fast-tracked installation

ARDEX Australia Pty Ltd

20 Powers Road
Seven Hills NSW 2147
Phone: 1300 788 780
Email: technical.services@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd

15 Alfred Street, Onehunga
Auckland, New Zealand
Tel: 0800 227 339
Email: info@ardexnz.com
www.ardex.co.nz

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PRODUCT DESCRIPTION

ARDEX WPM 114 is an APP (Atactic Polypropylene) plastomeric type modified bitumen vented base sheet, consisting of a specially formulated bituminous compound of distilled asphalt modified with selected high-grade viscoelastic polymers.

ARDEX WPM 114 is suitable for application in all climatic zones, with excellent cold flexibility (-10°C) enabling an easy application, meaning the membrane is ideally suited for application in areas with harsh climates.

ARDEX WPM 114 is coated with a sanded polymeric film PE/PP, while the bottom surface has thermo-adhesive strips that activate with heat.

FEATURES

- High malleability
- Excellent elongation and flexibility
- Accommodates structural movements
- Heat activated and self-adhesive for fast-tracked installation
- High flexibility during application at sub-zero temperature with no physical strains

USES

ARDEX WPM 114 is installed as a vented base sheet in multi-layer waterproofing systems. It has been designed to be used in situations where substrate vapour diffusion is required.

- Can eliminate bubbling and blistering forming underneath the waterproofing layer
- Allows vapour permeating through the substrate to diffuse underneath the waterproofing system where ARDEX Torch On Vapour Vents should be installed to allow the vapour to escape
- Eliminates the creation of stresses in the waterproofing layers, thus greatly reducing failures in the waterproofing caused by deck movements
- Is the ideal solution for controlled, partially attached first layer in a multi-layer system
- Can be applied over heat-sensitive substrates and existing failed liquid applied membranes

The placement of the ARDEX Torch On Vapour Vents shall be as nominated by the engineer/consultant. As a guide, the placement per vent is at the highest point(s) of the area, with one vent to be placed every 50m² - 100m² and must be placed at the furthest point away from drains.

SURFACE PREPARATION

By way of mechanical method and vacuum cleaning as necessary, remove all dirt, dust, curing compounds, oils, grease, surface sealers, and any other contaminants prior to application. Prepare surface to leave sound, clean, dry, free from sharp edges, loose or other materials which may damage the membrane.

Damaged concrete between 2mm-30mm can be treated with ARDEX A46. Spalling concrete must be treated accordingly with the ARDEX Concrete Repair range such as ARDEX BR 345, please review the respective product data sheets on treating spalling concrete.

SUBSTRATE PRIMING

Prior to the application of ARDEX WPM 114 all prepared concrete surfaces should be primed with ARDEX WPM 240 at a rate of 5m²–6m² per litre and allowed to dry. Coverage rate will depend on the porosity of the substrate being treated.

INSTALLATION

The application of ARDEX WPM 114 should be carried out by an approved ARDEX Applicator.

ARDEX WPM 114 is firmly bonded to the prepared substrate. Using an LPG gas torch to form a continuous membrane layer, the side laps are to be torch fused by minimum 100mm. The end laps of the ARDEX WPM 114 are to be butted end to end with a minimum 300mm strip of ARDEX WPM 150 centrally applied over the butted joint. When applying the subsequent membrane layer, the heat will activate the ARDEX WPM 114 thermo-adhesive strips.

PACKAGING

Roll size: 1m x 8 m

Roll weight: Approximately 32kg

Rolls per pallet: 23

LIMITATIONS

ARDEX WPM 114 should not be used as a stand alone waterproofing membrane, but must be used as part of a multi-layer waterproofing system. ARDEX WPM 114 cannot be left UV exposed for extended periods. ARDEX WPM 114 should not be applied on upturns/vertical applications.

Before any substrate preparation, installation or finishing methods relating to ARDEX product are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

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STORAGE

All rolls of ARDEX WPM 114 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.

TECHNICAL DATA

CHARACTERISTIC	TEST METHOD	NOMINAL VALUES
Length	EN 1848-1	8m
Width	EN 1848-1	1m
Thickness	EN 1849-1	4mm
Watertightness (A)	EN 1928	60kPa
Shear resistance Longitudinal Transversal	EN 12317-1	450 N/50mm 350 N/50mm
Water vapour transmission (Method A)	EN 1931	120 / 480
Tensile Strength Longitudinal Transversal	EN 12311-1	500 N/50mm 400 N/50mm
Elongation at break Longitudinal Transversal	EN 12311-1	35% 35%
Resistance to tearing (nail shank)	EN 12310-1	150 / 150 N
Dimensional stability Longitudinal / Transversal	EN 1107-1 met. A	± 0.3 %
Flexibility at low temperature	EN 1109	-10°C
Flow resistance at elevated temperature	EN 1110	100°C
Water vapour transmission proprieties after exposure to artificial ageing	EN 1296 / EN 1931	120 / 480
Water vapour transmission proprieties against chemicals	EN 1847 / EN 1931	120 / 480

SAFETY DATA

Avoid contact with skin and eyes. In case of contact with the eyes rinse with running water until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Wear protective gloves, clothing, face and eye protection. Suspected of causing cancer. This product is combustible. On combustion, may emit toxic fumes of carbon monoxide (CO). Avoid inhaling dust/ fume/ gas/ mist/ vapours/ spray. If fumes or combustion products are inhaled remove from contaminated area. Ensure adequate ventilation during application. Check with your local Council regarding the disposal of contents. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. At times updates can occur to data. To ensure you have the most current technical and safety information please consult the latest data sheets found on the product page at www.ardexaustralia.com

GUARANTEE

ARDEX Australia Pty Ltd ("we" or "us") guarantees this product ("our goods") is free from manufacturing defects and will perform to any applicable specification published by us for 10 years from the date of purchase. Our liability under this guarantee is limited at our option to replacement of the product, repair of any damage to the immediate surface or area of application of the product, or compensation, in each case if we are satisfied loss or damage was due to a breach of this guarantee. This guarantee does not apply if damage or loss is due to failure to follow published instructions or any act or circumstance beyond our control, including shade variations and efflorescence. If you wish to make a claim under this guarantee you must notify us (ARDEX Australia Pty Ltd, 20 Powers Road Seven Hills NSW 2147; Toll Free: 1800 224 070; Email: technicalservices@ardexaustralia.com) and provide evidence of your purchase of the product within 30 days of any alleged loss or damage occurring. We reserve the right to ask you for satisfactory evidence of any alleged loss or damage. Any claim under this guarantee is at your cost. This guarantee is in addition to any rights or remedies you may have as a "consumer" under the Australian Consumer Law and to that extent you need to be aware that: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure".

DISCLAIMER

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 Australian Standard, 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 affect 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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This datasheet was issued in March 2021 and is valid for 3 years, in some instances a newer version may be published. Always refer to www.ardexaustralia.com for the latest technical data from ARDEX Australia Pty Ltd.