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# ARDEX WPM 368

## Single Part Barrier Membrane

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Water resistant, prevents rising damp, substrate efflorescence and withstands hydrostatic pressure

Excellent adhesion to most substrates including damp surfaces and freshly laid green concrete

Built in mechanical key, sand blinding not required

Suitable for under tiles and under floor levellers

Suitable as an incontinence barrier to concrete floors prior to carpet and carpet tile installation

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ARDEX Australia Pty Ltd  
20 Powers Road  
Seven Hills NSW 2147  
Phone: 1300 788 780  
[technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)  
[www.ardexaustralia.com](http://www.ardexaustralia.com)

ARDEX New Zealand Ltd  
15 Alfred Street  
Onehunga, Auckland 1061  
Phone: 0800 227 339  
[info@ardexnz.com](mailto:info@ardexnz.com)  
[www.ardex.co.nz](http://www.ardex.co.nz)

# ARDEX WPM 368

## Single Part Barrier Membrane

### DESCRIPTION

ARDEX WPM 368 is a single component acrylic copolymer membrane that will prevent rising damp, efflorescence and will resist negative hydrostatic pressure when used in accordance with the technical data sheet. It has excellent adhesion to most substrates including brick, masonry, concrete block, concrete, stone and is simple to use by brush, roller or airless spray machine.

ARDEX WPM 368 single part damp-proof is safe to use and can be over-coated using almost any decorative paint. ARDEX WPM 368 can be applied to damp surfaces and freshly laid hardened (green) concrete and conforms to the Building Code of Australia as a waterproof membrane.

### FEATURES/BENEFITS

- Non-flammable and negligible odour.
- Can be applied to damp surfaces.
- Can be safely applied to freshly laid hardened (green) concrete.
- When applied directly to the substrate (dual coat system) the cured membrane will withstand 250kPa of hydrostatic pressure which is equivalent to a 25 metre head of water.
- Can be over coated using almost any decorative finishing paint.
- Prevents rising damp and the formation of efflorescence when used as a dual coat system.

### TYPICAL APPLICATIONS

- As a low water vapour transmission coating in the building and construction industries and as a barrier/seal coating over freshly laid or damp concrete.
- As a hydrostatic pressure resistant waterproofing membrane to prevent water seepage or dampness penetration through to the interior of walls and floors.
- As a waterproofing barrier on the negative side in below grade surfaces such as basements, tunnels, lift wells, retaining walls and carparks.
- As a waterproofing membrane or barrier coating over freshly laid hardened (green) concrete, prior to the application of conventional levelling compounds, carpet and tile adhesives.
- As a barrier seal coating over damp, green or efflorescence producing concrete prior to over coating with conventional building paints.
- For use as a waterproof barrier prior to applying ARDEX floor levelers and tile adhesives.

### BASIC APPLICATION INSTRUCTIONS

#### Surface preparation

All surfaces to be treated must be structurally sound; and existing coatings, adhesives, efflorescence should be removed to achieve maximum bond strength and resistance to hydrostatic pressure. Surfaces must be cleaned free of dirt, grease, oil, or other surface contaminants.

Holes, non-structural cracks or other surface deformities should be filled with ARDEX WPM 405 (Sheltercrete Additive), sand/cement mortar, or ARDEX concrete repair systems and allowed to cure for 2–3 hours before coating is applied.

#### Installation

**Floors** – Apply the material using a roller or spray to achieve coverage and finish using a long nap roller.

**Walls** – Apply the product by roller or spray taking care to achieve required coverage.

When the product is to be applied to dry concrete it is advisable to wet the surface with a fine mist of water before application and allow to just surface dry.

Care must be taken to work the material into the surface to fill voids and avoid pinholing, a minimum of one coat for reducing efflorescence and two coats required for rising damp, waterproofing and waterproofing negative side walls. Care should be taken to ensure uniformity of material and the required coverage is achieved. It is necessary to lay the material onto the surface to the correct wet film thickness so that when it dries, it achieves the required dry film thickness per coat.

### TILING APPLICATIONS

Substrates such as screeds and renders should be normally allowed to dry for 7 days prior to the fixing of ceramic tiles. Alternatively ARDEX WPM 368 can be applied in one coat by brush or roller application at a coverage rate of 3m<sup>2</sup>/L or a wet film thickness of 0.3mm per coat. Broadcast sand is not required.

### FLOORING APPLICATIONS

Where concrete subfloors are damp (moisture content exceeds 75% relative humidity measured in accordance with ASTM F2170.) ARDEX WPM 368 can be applied as a moisture barrier. Two coats are applied at 3m<sup>2</sup>/L or a WFT of 0.3mm per coat. A single coat of ARDEX WPM 368 applied at 3m<sup>2</sup>/L per coat acts as a moisture stop for 'green concrete' not subject to rising damp or permanent moisture. Broadcast sand is not required.

## LIMITATIONS

Tiling can commence after 24 hours cure of ARDEX WPM 368 although should not exceed a maximum of five days. Installer is to ensure that there is no surface contamination or membrane puncture during this period. If left exposed for longer than five days or contamination has occurred, clean with a damp cloth and apply another coat of ARDEX WPM 368. The product should be applied whilst the surface temperature is between 10–35°C. The product will cease to cure below 10°C. Curing time will also be adversely affected in situations where relative humidity is >85%.

ARDEX WPM 368 is not classified as a trafficable or UV stable membrane. It is not suited for potable water applications.

## COVERAGE

One coat of ARDEX WPM 368 is required to reduce efflorescence or as a moisture resistant coating over green concrete. The coverage rate should be 3m<sup>2</sup>/L, or a WFT of 0.3mm per coat. In areas that are affected by hydrostatic pressure, two coats are applied at 3m<sup>2</sup>/L or a WFT of 0.3mm per coat. In the event that this coverage rate is not achieved in 2 coats, further coats should be applied to achieve a uniform coverage rate of 3m<sup>2</sup>/L. Recoat time is 2–4 hours depending on ambient temperatures.

## DRYING TIME

Allow ARDEX WPM 368 to cure for 24 hours before applying adhesives, mortars, decorative coatings or other surface treatments. Care is necessary to ensure the waterproofing membrane is not damaged during subsequent treatments.

## PACKAGING/SHELF LIFE

ARDEX WPM 368 comes in 20kg pail. Shelf life is 12 months when stored in the original unopened packaging, in a dry place at 23°C. Do not store in direct sunlight. Replace lid tightly after use. Use remaining contents from part used containers within one month.

## SAFETY PRECAUTIONS

Wear gloves when working, If the product enters the eyes, wash with clean water for at least 15 minutes and seek medical advice. If swallowed do not induce vomiting, give glass of water and contact a doctor. Additional information is listed on the Safety Data Sheet.

## THINNING AND CLEAN UP

Wash all equipment in water or water/detergent immediately on completion.

## TECHNICAL PERFORMANCE DATA

<b>Colour</b>	Grey
<b>Finish</b>	Semi-gloss going to matt with aging
<b>Volume solids</b>	50%
<b>Coverage</b>	Must be applied at a rate of 3m <sup>2</sup> /L, or a WFT of 0.3mm per coat to achieve an effective waterproofing membrane (two coats total)
<b>W.F.T.</b>	300 micrometers (0.3mm) per coat
<b>Recoat time</b>	2–4 hours @ 25°C and 50% R.H.
<b>Full cure</b>	7 days @ 25°C and 50% R.H.

## **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](mailto: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 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 are 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.

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#### **Ardex Australia Pty Ltd**

20 Powers Road  
Seven Hills NSW 2147  
Phone: 1300 788 780  
Fax: 1300 780 102  
[technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)  
[www.ardexaustralia.com](http://www.ardexaustralia.com)

#### **ARDEX New Zealand Ltd**

15 Alfred Street  
Onehunga, Auckland 1061  
Phone: 0800 227 339  
Fax: (03) 384 9779  
[info@ardexnz.com](mailto:info@ardexnz.com)  
[www.ardex.co.nz](http://www.ardex.co.nz)