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# ARDEX WPM 108

## Quick Drying Undertile Waterproofing Membrane For Wet Areas

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Single component undertile waterproofing membrane

Low VOC

Fast drying single component water-based Terpolymer membrane

Compatible with all ARDEX tile adhesives

Long term flexibility – does not embrittle during its service life



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# ARDEX WPM 108

## Quick Drying Undertile Waterproofing Membrane for Wet Areas

### PRODUCT DESCRIPTION

ARDEX WPM 108 is a tough, ready to use waterproofing membrane specifically designed for use under tiles. ARDEX WPM 108 is totally resistant to re-emulsification once cured and not affected by temperature extremes.

ARDEX WPM 108 is flexible, safe to use, low in odour, and is fully compatible with polymer modified tile adhesives.

ARDEX WPM 108 meets the Singapore Green Labelling Scheme – Category 032 for Environmentally Friendly/ Low VOC Coating.

### FEATURES / BENEFITS

Single component ready to use onsite

Water based, environmentally and user friendly with very low odour

Will not cause stains to subsequent materials laid onto it  
Form a seamless homogenous, waterproof barrier with no laps or joints

Fast Drying – able to recoat in 1 hour

Compatible with quality tile adhesives

Maintain consistent flexibility with no premature embrittlement in its service life

### ACCEPTABLE SUBSTRATES

After appropriate surface preparation:- Concrete, metal and wood surfaces  
Fibre cement sheet, plaster board

### TYPICAL APPLICATIONS

Wet areas that will be tiled or otherwise protected from regular foot traffic in residential, commercial and industrial environment

For vertical and horizontal applications

### LIMITATIONS

Product should not be used in trafficable areas. Other ARDEX products are more suitable for this application. Do not apply ARDEX WPM 108 if the surface temperature is below 10°C or above 35°C. Do not apply if rain is imminent.

### BASIC APPLICATION INSTRUCTIONS

#### Surface preparation:

The surface to be coated should be clean, dry, sound and free from oil, grease, form release agents or bond-breakers and other contaminants. All areas of loose or flaking paint must be removed to a firmly bonded substrate. Concrete surface pores must be open to enable good adhesion.

#### Concrete

New Concrete should be at least 28 days old or seal with one coat of ARDEX WPM 300 at 3m<sup>2</sup> per litre and left to cure overnight. Old concrete that are damp or wet, will require at least 24 hours of thorough drying.

#### Render & Screeds

New renders & screed should be cured for at least 7 days or seal with one coat of Ardex WPM 300 at 3m<sup>2</sup> per litre and left to cure overnight. Old wet renders & screed should be thoroughly dry for at least 24 hours.

#### Fibre Cement /Plasterboard (Wet area grade)

Remove dust from the board. Apply ARDEX WPM 265 with brush, long nap roller or conventional spray evenly at the recommended coverage rates if the surface is porous. Allow a drying time of at least one hour.

#### Metal

Primed with Ardex WPM 278 if the surface has signs of scaling and rust, however it is essential to remove as much as possible any scaling before priming.

## Cracks and voids

ArDEX WPM 108 can be applied directly over hairline cracks. All other cracks should be treated with a neutral cure silicone. Other deep surface imperfections should be repaired using ARDEX concrete repair mortar and allowed to cure for 7 days before applying the membrane. Refer to ARDEX for advice regarding areas of concrete spalling, irregular surfaces resulting from peeled paint should be smoothed using ArDEX concrete repair system.

## PRIMING

Highly porous surfaces may require priming using ARDEX WPM 265. Allow primer to be dry before applying the membrane (min. 30 minutes)

## APPLICATION

Apply with roller, brush or spray in 2 or more thin coats till desired film thickness is achieved. Ensure that the coating is applied evenly at the recommended dry film thickness.

Recommend minimum DFT is 500 - 800 microns after 2 coats. For WFT apply 500 microns +/- 100 microns per coat. Recoating interval is approx. 45 minutes from last coat. For final coat, ARDEX WPM 108 to cure for at least 4 hrs before screeds can be laid.

## PACKAGING

18L plastic pails

## COVERAGE

Coverage: 1 x 18 L unit of ARDEX WPM 108 will cover approximately 22-25m<sup>2</sup> for 2 coats.

## SAFETY PRECAUTIONS

ARDEX WPM 108 is non-hazardous, non-dangerous goods. Avoid contact with skin. If contact with eyes, rinse thoroughly with water.

## STORAGE

The shelf life of ARDEX WPM 108 is 12 months in the original unopened packaging when stored in a cool, dry and well-ventilated area. Keep containers securely sealed. DO NOT allow to freeze. Do not store in direct sunlight. Replace lid tightly after use.

ADDITIONAL INFORMATION IS LISTED IN THE MATERIAL SAFETY DATA SHEET

## CLEAN UP & DISPOSAL

Clean all equipment with water prior to the product drying. Dispose of containers in compliance with all relevant local authorities, state and federal laws and regulations.

## TECHNICAL DATA

<b>Colour</b>	Grey / Charcoal Black
<b>Composition</b>	Blend of Synthetic Elastomers
<b>Tensile Strength (ASTM D412:2006 ae2)</b>	> 1.2 N/mm <sup>2</sup>
<b>Elongation at break (ASTM D412:2006 ae2)</b>	> 150%
<b>Adhesion to substrate (ASTM D4541:2009)</b>	> 0.2 N/mm <sup>2</sup> (condition as at cast)
<b>Exposure to Fungi, Algae (SETSCO /SISIR)</b>	Passed – Unaffected. No growth
<b>Crack Bridging Test (ASTM C836:2006)</b>	Passed – No cracks at 2mm width
<b>Shore A Hardness, cured (ASTM 2240:2005)</b>	> 30 (25°C, 56 Relative Humidity)
<b>Set to touch (ASTM 2240:2003)</b>	30 – 45 mins per application layer (at DFT microns on dry substrate)
<b>Water penetration Test</b>	Passed – No water penetration, 2m head

## **DISCLAIMER**

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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