



ARDEX WPM 179

Single Component Rubber Waterproofing Membrane

Contains root inhibitors designed to repel root growth

Suitable for planter boxes, retaining walls, and other below ground applications

Excellent elongation, and adhesion to concrete & masonry substrates

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ARDEX WPM 179

Single Component Rubber Waterproofing Membrane

DESCRIPTION

ARDEX WPM 179 is a one component liquid applied, latex modified, bituminous elastomeric waterproofing coating. When cured it forms a permanently flexible waterproof lining to most building surfaces. ARDEX WPM 179 is water-based with very low odour.

FEATURES

- Excellent elongation
- Water-based - very low odour
- Retains flexibility at low temperatures
- Excellent adhesion to concrete & masonry

TYPICAL APPLICATIONS

- Planter boxes
- Underground Structures/Tunnel lining
- Bridge decks and concrete structures
- Below ground tanking i.e. basements and retaining walls

SURFACE PREPARATION

By way of mechanical methods 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 subsequent coating.

New concrete to be cured for a minimum of 28 days before application commences. New screed to be cured for a minimum of 7 days before application commences. New render to be cured for a minimum of 7 days before application commences. All substrate cracks or holes are to be repaired accordingly before application commences.

PRIMING

ARDEX WPM 179 is designed to be self-priming on most common substrates. Porous substrates should be primed with a first coat of diluted ARDEX WPM 179 with clean water (1:1 by volume). The second coat should not be diluted to ensure the correct wet film thickness is achieved.

When masonry or concrete substrate moisture content is measured at greater than 80% relative humidity (ASTM F2170) or exceeds 15g/m²/24hrs (ASTM F1869), a minimum single coat of ARDEX WPM 300 (HydrEpoxy) must be the nominated primer. This is typically equivalent to 5% or greater moisture content from a digital non-destructive moisture meter, however Australian Standards must be followed.

APPLICATION

ARDEX WPM 179 can be applied by brush or trowel to the prepared substrate over the entire area. Allow 2 - 4 hours between coats. When using with a reinforcement mat, the second coat can be applied immediately after the reinforcement mat has been installed in the first coat. The reinforcement mat must be installed whilst the first coat is wet. ARDEX WPM 179 is not to be applied in UV exposed environments. Always refer to the latest product datasheet at www.ardexaustralia.com.

DETAILING

ARDEX WPM 179 can be directly applied onto penetrating PVC pipes, re-bars and metal fixings providing a seamless waterproofing layer. ARDEX STB/STA Tape should be used for expansion joints, corners, and transitions prior to ARDEX WPM 179 application.

BACKFILLING AND DRAINAGE APPLICATION

The membrane must be protected against potential damage by the placement of protection material between the membrane and granular backfill. A suitable protection board and drainage system should be used for effective drainage and membrane protection requirements.

COVERAGE

Approximately 7m² - 8m² (1.0mm DFT)

DRYING TIME

ARDEX WPM 179 is fully dry in 24-48 hours at 25°C and 50% relative humidity. After which it should be protected with ARDEX protection boards or geotextile coated drainage cell.

STORAGE

Shelf life is 12 months when stored in original unopened container, in a dry place at 25°C. Do not store in direct sunlight. Replace lid tightly after use.

CLEAN UP & DISPOSAL

Clean all equipment in fresh water immediately after use. Remove cured material with mineral turpentine or white spirits. Dispose of containers in compliance with all relevant local authorities, state, and federal regulations.

SAFETY DATA

Avoid contact with skin and eyes; in case of contact with the eyes, wash out immediately with fresh running water. If irritation continues, seek medical attention. Wear protective gloves, clothing, face and eye protection. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Harmful to aquatic life with long lasting effects. May cause an allergic skin reaction. Check with your local Council regarding the disposal of contents. Keep out of the reach of children. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. Additional information is in the Safety Data Sheet (SDS) at ardexaustralia.com

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TECHNICAL DATA

CHARACTERISTICS	VALUES
Appearance	Black
Specific Gravity	1.05kg/L (approx)
Application Temperature	10°C - 35°C
Drying Time (23°C / 50% R.H)	Recoat: 2 - 4 hrs Hard Dry: 24 - 48 hrs Backfilling: 3 - 4 days
Tensile Strength	1.2 MPa
Elongation at Break	>300%

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 20 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 of 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”.

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