



ARDEX WPM 801

Polyurea-Modified High Performance Primer

Excellent adhesion to a wide range of substrates

Minimises outgassing effects of porous substrates

Single component, easy to apply with fast curing time

Does not contain TDI, MOCA, bitumen or tar based compounds

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ARDEX WPM 801

Polyurea-Modified High Performance Primer

PRODUCT DESCRIPTION

ARDEX WPM 801 is a single-component, polyurea-modified, resin-based primer which provides excellent fast drying performance, that penetrates and seals prepared concrete, masonry, and many other substrates. ARDEX WPM 801 has been purposely designed as a primer for ARDEX WPM 812, ARDEX WPM 812 SL, or ARDEX WPM 813.

BENEFITS

- Excellent adhesion to a wide range of substrates
- Minimise outgassing effects of porous substrates
- Single component, easy to apply with fast curing time
- Does not contain TDI, MOCA, bitumen or tar based compounds

SUBSTRATES

- Brick
- Metal
- Plastic
- Render
- Screed
- Concrete
- Blockwork
- Compressed FC Sheet

For further substrate types please contact ARDEX Technical Services (technicalservices@ardexaustralia.com).

SUBSTRATE 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 ARDEX membrane system.

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.

New concrete to be cured for a minimum of 28 days before application commences.

When masonry or concrete substrate moisture content is measured at greater than 80% relative humidity (ASTM F2170) or exceeds 15g/m²/24hrs (ASTM F1869), ARDEX WPM 300 (HydrEpoxy) must be the nominated primer in replace of ARDEX WPM 801. This is typically equivalent to 5% or greater moisture content from a digital non-destructive moisture meter, however Australian Standards must be followed.

APPLICATION

By brush, roller, or airless spray equipment apply one coat of ARDEX WPM 801 at 125 microns wet film thickness to achieve a dry film thickness of 100 microns. Once ARDEX WPM 801 has totally dried (generally 1 - 4 hours), subsequent membrane ARDEX WPM 812, or ARDEX WPM 812 SL, or ARDEX WPM 813 can be applied.

Porous Substrates

For porous substrates such as concrete, brick, screed etc the ARDEX WPM 801 once completely dry must be overcoated within 24 hours to avoid potential intercoat contamination. If the primer has not been overcoated within the 24 hours, simply clean the surface and reapply an additional coat of ARDEX WPM 801 and allow to totally dry. If the primer is not overcoated within 48 hours after drying, it must be mechanically removed and the priming application process must be restarted.

Non-porous Substrates

Mechanically abrade the metal or PVC surface and remove all loose debris. Solvent wipe surface with ARDEX WA 98 Solvent and allow to flash off. Prime prepared surfaces with ARDEX WPM 801, and allow to completely dry. The ARDEX WPM 801 once completely dry must be overcoated within 6 hours on non-porous applications.

If the ARDEX WPM 801 is left exposed longer than 6 hours, simply mechanically abrade and solvent wipe before recoating with ARDEX WPM 801.

For high density concrete substrates, the primer may be diluted by the addition of up to 10% (maximum) Xylene to increase substrate penetration.

DETAILING

Once ARDEX WPM 801 has dried, apply ARDEX RA 040 polyurethane sealant to fill all prepared joints, cracks, internal junctions, and seal around penetrations.

CURING

AMBIENT TEMPERATURE	DRYING TIME
10°C - 15°C	3 - 4 hours
15°C - 25°C	1 - 2 hours
25°C - 35°C	1 hour

Both ambient temperature and or substrate temperature will affect the drying/curing process. Do not apply ARDEX WPM 801 if the ambient temperature and or substrate temperature is below 10°C or above 35°C as this will negatively affect the products drying and working time.

COVERAGE

45m² - 60m² per pail (0.30 - 0.40kg/m²)

Coverage rate may vary depending on the porosity of the substrate and application technique.

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TECHNICAL DATA

CHARACTERISTICS	TEST METHOD	NOMINAL VALUES
Appearance		Light yellow liquid
Working Time @ 23°C		30 minutes
Application thickness		125 µm (WFT) 100 µm (DFT)
Solids Content		75% (approx.)
Viscosity [mPa.s(cPs), 25°C]	ASTM D2196	300+_Max
Hardness	ASTM D2240	90 Shore A
Water Absorption	ASTM D4471	0.06%

PACKAGING

18kg metal pail

CLEAN UP

Clean all equipment with solvent prior to the product drying. Once product has been allowed to cure, removal may require mechanical methods.

STORAGE

Packaging must be stored vertically, out of direct sunlight, away from sources of puncture and physical damage, away from ignition sources and open flame. Store in a dry place at 23°C and 50% R.H.

SHELF LIFE

ARDEX WPM 801 has a shelf life of 12 months when stored in the original, unopened packaging in a dry place at 23°C and 50% R.H.

LIMITATIONS

Do not apply ARDEX WPM 801 if the ambient temperature and or substrate temperature is below 10°C or above 35°C. Primed surfaces should be overcoated within the same day of application to avoid intercoat contamination. Acid wash or acid etching of the substrate or surface is not recommended prior to ARDEX WPM 801 application.

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.

SAFETY DATA

Flammable liquid and vapour. Harmful in contact with skin. Cause skin irritation. May cause an allergic reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer. May cause drowsiness or dizziness. Harmful to aquatic life. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking. Avoid breathing/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, eye, and face protection. Ensure adequate ventilation during mixing and application. Store locked up. If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician/first aider. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. Additional information is in the Safety Data Sheet (SDS) 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, 2 Buda Way Kempas Creek NSW 2178; 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".

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 Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. 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 data sheet was issued in November 2024 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.