



ARDEX WPM 310

(Shelterguard)

Provides excellent UV resistance

Provides long term protection from elements

Excellent workability

Safe to use, low odour, and easy cleaning

Can be tinted to a wide variety of decorative colours

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

ARDEX WPM 310

PRODUCT DESCRIPTION

ARDEX WPM 310 is a tough, UV stable, and flexible liquid applied waterproofing coating. It has been specifically formulated as a general purpose coating for exposed facade applications. ARDEX WPM 310 can be applied as an aesthetically attractive textured or semi-smooth finish.

FEATURES & BENEFITS

- Flexible – accommodates normal building movement
- Water based – safe to use, low odour and easy cleaning
- Provides excellent UV resistance and long term protection from elements
- Excellent workability – easy, quick to apply
- Can be tinted to a wide variety of colours

ACCEPTABLE SUBSTRATES

- Concrete.
- Rendered walls.
- Brick/masonry walls.
- Fibre cement sheets.
- Tilt up and pre-cast concrete.
- Light weight aerated concrete blocks (eg CSR Hebel).

TYPICAL APPLICATIONS

- Building facades
- Silos, lighthouses and other external structures
- Particularly important in coastal areas for application over concrete and brick surfaces
- **At a dry film thickness of 0.3mm** the film formed is classified as semi-permeable and suitable for substrates that have to breathe. As a decorative textured finish and protective coating of external walls and facades.

SURFACE PREPARATION

Ensure all surfaces are structurally sound or securely fixed and thoroughly dry. The substrate to be coated must be free from dust, dirt, oil, curing compounds and any other potential contaminating materials. Surface defects such as protrusions must be removed.

All cracks >1.0mm must be mechanically V-notched with all loose debris and dust totally removed prior to filling with an approved ARDEX sealant.

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 ARDEX product data sheets on treating spalling concrete.

PRIMING

Damp or new concrete (<28 days old) must be primed with ARDEX WPM 300 (Hydrepoxy). Apply with a brush and or roller at 3.0m²/L (0.3mm WFT) and allow to fully cure (generally 24 hours @ 23°C / 50% R.H) before overcoating.

Excluding damp or new concrete (<28 days old), ARDEX WPM 270 can be used and is highly recommended for external applications onto porous substrates such as concrete, masonry, blockwork, and brick. Apply with a brush and or roller at 6.0m²/L and allow to fully dry (generally 30 minutes @ 23°C / 50% R.H). The ARDEX WPM 270 should be overcoated within 24 hours of application to avoid intercoat contamination.

When applying to new render, ensure the render has fully cured before priming with ARDEX WPM 270. When applying to existing render, ensure the render is sound, free from delamination issues, and free from imperfections which may affect subsequent priming and coating.

APPLICATION

Apply using a nap or textured roller. Apply the coating in two coats ensuring a uniform coverage is achieved at an approximate wet film thickness of 0.3mm per coat to achieve an overall dry film thickness of 0.3mm after two coats. Allow the first coat to become hard dry (generally 4 hours @ 23°C / 50% RH) before applying the second coat.

SURFACE FINISH

The surface finish achieved can be varied by selection of method of application. Prior to the commencement of any project it is recommended that a sample of the finish be prepared for approval and that approved finish shall act as the standard.

Surface finish profile	Roller type	
	1st coat	2nd coat
High Texture	Med. Texture	Med. Texture
Medium Texture	Nap	Med. Texture
Low Texture	Med. Texture	Nap
Ripple Texture	Nap	Nap

The length of the roller nap will vary the profile of the texture although the nap length must suit the substrate. A 10–12mm nap produces a low surface profile while a 15–18mm nap produces a higher surface profile.

It is highly suggested to always complete the application on the “down stroke” to greatly reduce dirt pick-up on a textured finish.

ARDEX WPM 310

COVERAGE

15 litre = approximately 24m² in two coats (total DFT 0.3mm).

Coverage rate will vary depending on the condition of the surface and film thickness.

DRYING TIMES: (23°C / 50% RH)

Surface dry	2 hours
Recoat	4 hours
Full cure	7 days

NOTE: Ambient air conditions and surface temperature will vary drying times and curing times.

PACKAGING

ARDEX WPM 310 - 15ltr pail

ARDEX WPM 270 - 20ltr pail

ARDEX WPM 300 (Hydrepoxy) - 4ltr kit & 20ltr kit

TECHNICAL DATA

Characteristics	Test Method	Nominal Values
Form		Viscous liquid
Colour		Koala Grey & White (Special colours on request - made to order)
Specific Gravity		Approx. 1.3g/cm ³
Water Vapour Transmission (1.0mm)	ASTM E96	21.9/m ² /24hrs
Tensile Strength	AS1145	28 days dry - 2.1 MPa 14 days UV exposure - 3.0 MPa 2,500 Hrs QUV 5.9 MPa
Elongation at break	AS1145	28 days dry - 460% 14 days UV exposure - 315% 2,500 hrs QUV - 180%
VOC Content		100g/L

NOTE: Most tests have been carried under standard conditions (23±2 °C, 50±5% R.H).

CLEAN UP AND 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.

SHELF LIFE

12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

STORAGE

Keep containers securely sealed. Do not allow to freeze. Do not store in direct sunlight. Replace lid tightly after use. Product should be used within 6 months of the container being opened.

SPILLS/LEAKS

Clean up spills immediately. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable labeled container for waste disposal.

Pay attention to the following:

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.

LIMITATIONS

Do not use ARDEX WPM 310 in the following situations:

- Areas subject to traffic, please contact ARDEX Technical Department for further information.
- Where solvent or petroleum based products could be spilled.
- When rain appears imminent or within 24-48 hours after application.
- Do not apply where both the surface temperature and air temperature is below 10°C or greater than 35°C as this may reduce the products curing time and or wet edge time which may increase the risk of showing roller-marks after drying.
- On damp surfaces that have not been primed with ARDEX WPM 300 (Hydrepoxy).
- Do not attempt to thin product with water as this will affect the products performance characteristics. For substrates or situations other than those listed, please contact ARDEX Technical Department.

SAFETY DATA

This product may cause irritation to the skin. It may cause serious eye injury and irritation to the respiratory system. 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, eye, and face protection. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. Store locked up. 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. At times updates can occur to data. For additional information and to ensure you have the most current technical and safety information please consult the latest safety data sheets (SDS) and technical data sheets found on the product page at www.ardexaustralia.com.

ARDEX WPM 310

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 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 datasheet 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.

© ARDEX Australia Pty Ltd 2021.

All aforementioned products are the trademarks of ARDEX Australia Ltd, its licensors and affiliates.

This datasheet was issued in June 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.