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# ARDEX WPM 330

## External Anti-Carbonation Facade Coating (Sheltercoat)

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Prevents chloride ion, sulfide ion, and carbon dioxide attack

Semi-permeable coating – allows surface to breathe

Contains fungi and algae growth inhibitors

Provides excellent UV resistance and long term protection

Water-based, safe to use, low odour, and easy cleaning

Can be tinted to a wide variety of decorative colours

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# ARDEX WPM 330

## External Anti-Carbonation Façade Coating

### DESCRIPTION

ARDEX WPM 330 is an extremely weather resistant water-based acrylic waterproofing coating. Specially designed as an exposed facade coating, ARDEX WPM 330 prevents moisture, chloride ion, and carbon dioxide entering and damaging the building structure while still allowing the substrate to breathe.

### FEATURES & BENEFITS

- Highly flexible and durable.
- Low dirt retention.
- Resists fungi and algae growth.
- Large range of durable colours.
- Vapour permeable (allows facade substrate to breathe).
- Prevents chloride ion, sulfide ion, and carbon dioxide attack.

### 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 and external walls.
- Roof parapets.
- Silos, lighthouses and other external structures.
- Particularly important in coastal areas for application over concrete and brick surfaces.

### 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.

Shrinkage and static 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) should be primed with ARDEX WPM 300 (Hydrepoxy). Apply with a brush and or roller at 3.0m<sup>2</sup>/L (0.3mm WFT) and allow to fully cure (generally 24 hours @ 23°C / 50% R.H) before overcoating.

Excluding damp or new concrete, 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 6.0m<sup>2</sup>/L and allow to fully dry (generally 30 minutes @ 23°C / 50% R.H). The primer 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 the 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 0.35mm per coat to achieve an overall dry film thickness of 0.35mm 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 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 12–15mm nap produces a low surface profile while a 15–24mm 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.

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### COVERAGE

15 litre = approximately 20m<sup>2</sup> in two coats (total DFT 0.35mm).

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 330 - 15ltr pail

ARDEX WPM 270 - 20ltr pail

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

### TECHNICAL DATA

Characteristics	Test Method	Nominal Value
Form		Viscous liquid
Colour		White (Special colours on request - made to order)
Specific gravity		1.3kg/L
Carbon dioxide diffusion rate/sulfur dioxide Kofler criterion	(min reqd. R> 50m)	124m
Water vapour transmission	ASTM E96	39.8g/m <sup>2</sup> /24hrs
Kopfler criterion	(max reqd. Sd< 4m)	1.1m
Chloride ion diffusion rate	As per TEL procedures	7.7 x 10 <sup>-14</sup> m <sup>2</sup> /sec
VOC content		61g/L

NOTE: Most of the 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 irritation. Suspected of causing genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects. 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](http://www.ardexaustralia.com).

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### 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

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