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# ARDEX WPM 821

## Single part, aliphatic polyurethane coating

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Water-based, easy clean up using water

Exceptional UV resistance

Excellent adhesion to both damp and dry substrates

Excellent exterior durability

Excellent colour retention

Resistant to mild chemicals, alkaline and motor oils

One part - ready to use - easy application

Non-flammable

Low VOC

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### PRODUCT DESCRIPTION

ARDEX WPM 821 is a water based liquid solution and represents the ultimate in polyurethane technology. ARDEX WPM 821 combines the excellent durability properties associated with conventional polyurethanes with the ease of application and environmental safety issues associated with water based systems.

Unlike conventional polyurethanes, ARDEX WPM 821 has exceptional UV resistance. This single component water based emulsion dries to form a flexible protective coating with excellent wear and chemical resistance. ARDEX WPM 821 has excellent adhesion to both damp and dry surfaces.

### FEATURES

- Water- based, easy clean up using water
- Exceptional UV resistance
- Excellent adhesion to both damp and dry substrates
- Excellent exterior durability
- Excellent colour retention
- Resistant to mild chemicals, alkaline and motor oils
- One part - ready to use - easy application
- Non-flammable
- Low VOC

### TYPICAL APPLICATIONS

- Suitable for application over most substrates including concrete, asphalt, timber, brick, etc.
- Warehouse and commercial floors
- Car parks
- Sports finishes ie. timber and cushion based floors
- Floors and walls in food processing areas

### APPLICATION

#### Surface preparation

Surface must be structurally sound, clean, dry and free from curing agents, oil, grease and any other contaminants. Concrete should be cured for 28 days and have a maximum of 5% moisture content. Repair defective concrete and patch uneven or low areas that may hold water with an appropriate ARDEX Patch Repair Mortar. Seal all joints, cracks and gaps and form angle fillets to internal corners and penetrations with an appropriate ARDEX Sealant or Crack Repair product.

Leave at least two hours before over-coating with ARDEX WPM 821. Efflorescence must be removed, either by high pressure cleaning or a 5% hydrochloric acid solution followed by thorough washing.

Although ARDEX WPM 821 may be applied to a damp surface, do not apply to surfaces having ponding water. Very dry, porous surfaces must be dampened with a fine mist of water. Applications over any of ARDEX polyurethane membranes must be commenced as soon as the membrane is able to be walked on or at least within a period of 12 hours.

### APPLICATION

Apply ARDEX WPM 821 as supplied by brush, roller, airless or conventional spray equipment. Generally, a minimum of two coats at a rate of 8 m<sup>2</sup>/L/coat are required to achieve a wet film build of 250–350 microns. Allowing 2 to 4 hours between coats dependent on substrate and weather conditions.

### COVERAGE

250-350 microns wet film build; 3.5-4 m<sup>2</sup>/L for two coats, depending on porosity of substrate.

### PACKAGING

ARDEX WPM 821 is packed in a 15L pail.

### CLEAN UP

Wash all equipment with clean water immediately after use.

### SHELF LIFE

ARDEX WPM 821 has a shelf life of 12 months when stored in the original, unopened packaging in a dry place at 23°C and 50% relative humidity.

### Pay attention to the following

Do not apply if rain is imminent or when temperatures are below 10°C or above 35°C, or in situations where the relative humidity is greater than 85%.

### 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. Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. 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 [www.ardexaustralia.com](http://www.ardexaustralia.com)

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### TECHNICAL DATA

<b>Colour</b>	Grey
<b>Mixing Ratio</b>	Use direct from the container no dilution required
<b>Time between coats</b>	2-4hours @ 23°C + 50% R.H.
<b>Full Cure</b>	7 days @ 23°C + 50% R.H.
<b>Coverage</b>	250-350 microns wet film build, 3.5-4 m <sup>2</sup> /L for two coats depending on porosity of substrate

Values provided above are typical average figures achieved in laboratory testing. Actual values achieved in on-site conditions may vary slightly.

### 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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