



ARDEX WPM 821

Single part, aliphatic polyurethane coating

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

ARDEX Australia Pty Ltd

20 Powers Road
Seven Hills NSW 2147
1300 788 780
technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd

15 Alfred Street
Onehunga, Auckland 1061
0800 227 339
info@ardexnz.com
www.ardex.co.nz

ARDEX WPM 821

Single part, aliphatic polyurethane coating

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 m²/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 m²/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

If splashed in the eyes, flush with water immediately until irritation subsides. If swallowed, give plenty of water. Refer to the Safety Data Sheet for further information.

ARDEX WPM 821

Single part, aliphatic polyurethane coating

TECHNICAL DATA

Colour	Grey
Mixing Ratio	Use direct from the container no dilution required
Time between coats	2-4hours @ 23°C + 50% R.H.
Full Cure	7 days @ 23°C + 50% R.H.
Coverage	250-350 microns wet film build, 3.5-4 m ² /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.

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 Standard, our instructions and recommendations and only for the uses they are intended. 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 2019

All aforementioned products are the trade marks of ARDEX Australia Pty Ltd, its licensors and affiliates.

ARDEX Australia Pty Ltd
Phone: 1300 788 780

Toll Free Technical Services:
1800 224 070 (Australia)

ARDEX New Zealand Ltd
Phone: 0800 227 339

May 2019