



ARDEX WPM 823

UV-stable, abrasion resistant, polyurethane top coat for vehicular traffic

Simple application, easy to use and fast cure

UV resistant and foot trafficable

Quick access for trades

Permanently flexible - total adhesion

Once cured has immediate resistance to rain damage

High chemical resistance

May be line marked with fast dry paints

Provides a durable, non-slip, chemically resistant finish

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DESCRIPTION

ARDEX WPM 823 is a tough, fast curing, hybrid polyurethane coating designed as a trafficable, impact resistant finish providing a long life protective barrier for both internal and exposed situations.

ARDEX WPM 823 as a top coat is UV resistant and provides a durable, non-slip*, chemically resistant finish.

FEATURES

- Simple application, easy to use & fast cure
- UV resistant & vehicle trafficable
- Quick access for trades
- Permanently flexible – total adhesion
- Once cured has immediate resistance to rain damage
- High chemical resistance
- May be line marked with fast dry paints
- ARDEX WPM 823 as a topcoat is UV resistant
- Provides a durable, non-slip*, chemically resistant finish

TYPICAL APPLICATIONS

ARDEX WPM 823 is typically used as a colour-fast, non-slip surface over ARDEX WPM 813 waterproof membrane on exposed decks, car parks, ramps, loading docks or other areas where heavy vehicular traffic is anticipated.

ARDEX WPM 823 may also be used as a stand-alone durable finish on walkways, steps, ramps, etc., as a functional, decorative, colour-fast protective finish. Also, ARDEX WPM 823 is used as a resilient impact resistant flooring finish in gymnasiums, sports centres, laboratories, etc.

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.

Priming

Prime surfaces with ARDEX WPM 801 Primer applied at a

rate of 6-10m²/L, dependent upon surface porosity. Damp areas, substrate subject to rising damp and concrete less than 28 days old shall be primed with ARDEX WPM 300 (HydrEpoxy 300) at a coverage rate of not more than 3m²/L.

ARDEX WPM 801 Primer must be over-coated within a period of 12 hours, whereas ARDEX WPM 300 can be allowed longer exposure but must be fully cured and totally dry prior to application of the membrane.

Mixing

Mix Part A (resin) and Part B (hardener) with a ratio of 1 : 8 by weight. Transfer the measured amount of resin (Part A) to a suitable sized mixing container and add the hardener (Part B). Mix the two components using a low speed mechanical stirrer (e.g. electric drill) until a uniform mixture is obtained. Maintain mixing paddle head below surface of liquid to reduce entrapped air. To ensure accurate mixing, it is recommended to use the entire kit.

Application

Apply the ARDEX WPM 823 in two coats by brush or roller to achieve an overall dry film thickness of 0.3mm. Apply the second coat in cross-direction to the first to achieve a uniform finish. Subsequent coats must be applied within 24 hours of the preceding coat.

*Should a non-slip surface be required, broadcast ARDEX Primer Sand or aluminium oxide to refusal into the wet coat and allow to dry; then gently sweep away the excess sand followed by the application of a second coat of ARDEX WPM 823.

For spray application use a single wet-on-wet spray application. Do not use mixed product once it has become thick and stringy; it must be discarded. Do not add solvent.

COVERAGE

An 18 kg kit of WPM 823 will give a 60m² coverage at a WFT of 0.3 mm and a DFT of 0.15 mm.

PACKAGING

ARDEX WPM 823 Part A – 3.6kg can

ARDEX WPM 823 Part B – 14.4kg can/pail

CLEAN UP

Use solvent or methylated spirits before curing. Exercise care when using solvents and review all SDS before use.

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SHELF LIFE

ARDEX WPM 823 has a shelf life of 6 months when stored in the original, unopened packaging in a dry place at 23°C and 50% relative humidity but once opened, may become solid.

Pay attention to the following:

When used in combination with other PU based coatings, such as ARDEX WPM 812 and ARDEX WPM 813, there is typically a 24-hour window to ensure maximum adhesive bond. When used as a multi-layer protective finish, the following coat should be applied as soon as the primary coat is dry enough to take foot traffic. Preferred application temperature range is between 10°C and 30°C.

SAFETY DATA

Flammable liquid and vapour. Harmful when in contact with skin and if inhaled or swallowed. Causes eye and skin irritation and may cause serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. May cause respiratory irritation. Suspected of causing cancer. Do not release into the environment, harmful to aquatic life with long lasting effects. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Wear protective gloves, clothing, eye and face protection Avoid inhaling dust/fumes/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell or if swallowed. Do not induce vomiting. Check with your local Council regarding the disposal of contents and packaging. Keep out of the reach of children. Additional information is in the Safety Data Sheet (SDS) at www.ardexaustralia.com

TECHNICAL DATA

Drying Time @ 23°C	2 hours
Shore Hardness	80°A (+/-5)
Tensile Strength (AS1145)	2 MPa
Elongation (AS1145)	350%
UV Resistance (System)	Excellent
Chemical Resistance	Oil, Petrol, Diesel, Acids and Alkalis
Mix Ratio (W/W)	1:4
Pot Life (23°C)	30 Minutes

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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) 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

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