



ARDEX WPM 157

(Polyurethane DPM 157)

One Part Moisture Cured Polyurethane Membrane

Good adhesion to a wide range of substrates

Excellent chemical resistance

Can be applied as a single coat finish

Ideal for plaster box internals

ARDEX Australia Pty Ltd
20 Powers Road
Seven Hills NSW 2147
Tel: (02) 9851 9199
Fax: (02) 9674 5621
Email: techinfo@ardexaustralia.com
Internet: www.ardex.com

ARDEX New Zealand Ltd
32 Lane St, Woolston
Christchurch, New Zealand
Tel: (03) 384 3029
Fax: (03) 384 9779
Email: techinfo@ardexaustralia.com
Internet: www.ardex.com

ARDEX WPM 157

(Polyurethane DPM 157)

One Part Moisture Cured Polyurethane Membrane

DESCRIPTION

ARDEX WPM 157 (Polyurethane Membrane) is one component moisture cured polyurethane system for waterproofing and flooring.

FEATURES

- Excellent flexibility
- One component
- Good adhesion to a wide range of substrate
- Excellent chemical resistance
- Decrease of construction cost and time
- Can be applied as a single coat finish

TYPICAL APPLICATIONS

- Planter box internals.
- Roof and Deck areas that are to be paved over sand bed, ballasted or otherwise covered without bonding.
- Landscaped Decks.

APPLICATION

Application by squeegee, brush or roller (spray application only with adequate protective gear).

ARDEX WPM 157 must be applied to dry surfaces with a moisture content of less than 7%. If doubt exists regarding the moisture content of the substrate, surface should be primed with ARDEX WPM 300 (HydrEpoxy 300) and allowed to cure overnight before application of the ARDEX WPM 157.

ARDEX WPM 157 should be applied at the required coverage rate. In the event that this coverage rate is not achieved in one coat a second coat must be applied within a maximum of 16 hours to achieve an intercoat bond.

Priming

Prime wet or damp surfaces and concrete less than 28 days old with ARDEX WPM 300 (HydrEpoxy 300) at a coverage rate of not more than 3.0 square metres per litre.

Prime dry porous surfaces with ARDEX WPM 270 (Solvent Based Primer) at a coverage rate of approximately 6 square metres per litre.

Application Method

It is preferred that ARDEX WPM 157 is applied over a primed surface.

Apply the ARDEX WPM 157 in one application to achieve an overall dry film thickness of:-

- 1.0mm for non-trafficable surfaces
- 3.0mm for trafficable surfaces

Application using a squeegee, roller or brush (multiple coating in two direction application) is recommended. Subsequent coats must be applied within 16 hours of the preceding coat.

During application full suitable protective clothing should be employed. If using in areas of low ventilation full external breathing apparatus should be used.

LIMITATIONS

Bonding of ceramic tiles or other hard coverings is not recommended.

Topping screeds should be self supporting (ie reinforced), should be at least 40mm thick and applied over a suitable slip sheet.

ARDEX WPM 157 must be applied to completely dry surfaces.

ARDEX WPM 157 should not be applied without the necessary protective clothing – refer safety data.

This product is very sensitive to air, therefore containers cannot be resealed for future use once they have been opened.

THINNING AND CLEAN UP

Thinning of ARDEX WPM 157 is not required since this will inhibit the ability to achieve the dry film thickness. If thinning is required the addition of up to 10% of xylene should be used.

Roller sleeves and brushes should be considered as consumables and disposed of following application. Other clean up may be done using xylene or other high aromatic hydrocarbon solvent.

SAFETY PRECAUTIONS

ARDEX WPM 157 is hazardous and a dangerous goods. It is flammable and is irritating to the eyes. Keep away from sources of ignition. No smoking. Keep container in a well ventilated place. Do not empty into drains. Appropriate protective clothing must be worn during application. In case of contact with eyes, rinse with plenty of water and contact a doctor or Poisons Information Centre. If swallowed, IMMEDIATELY contact a doctor or Poisons Information Centre (show the container or label).

ADDITIONAL INFORMATION IS LISTED IN THE MATERIAL SAFETY DATA SHEET.

TECHNICAL PERFORMANCE DATA

Appearance	Colored viscous liquid
Viscosity	5,000±2,000 cps/25°C
Density	1.4±0.1 (g/cm ³)
Solid Content (%)	92±2
Tack Free Time (hrs at 25°/60%RH)	max 3
Curing Time (hrs at 25°/60%RH)	
Coating Thickness 1.0mm	max 24
Coating Thickness 3.0mm	24 – 48
Properties of Film	
Hardness (Shore A)	70±10
Tensile Strength (kgf/cm²)	over 35 (3.43 MPa)
Elongation (%)	over 500
Tear Strength (kgf/cm)	over 20 (1.96 MPa)

HANDLING & STORAGE

ARDEX WPM 157 can be stored for 6 months at below 25°C. Avoid prolonged exposure to humidity or temperature above 50°C. Avoid contamination with water or alcohols.

PACKING

20kgs (nominal 14.91 litres) in a metal container.

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 effect 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

New South Wales	Ph (02) 9851 9100	Fax (02) 9838 7970
Queensland	Ph (07) 3817 6000	Fax (07) 3881 3188
Victoria/Tasmania	Ph (03) 9308 9255	Fax (03) 9308 9332
South Australia	Ph (08) 8268 2511	Fax (08) 8345 3207
Western Australia	Ph (08) 9256 8600	Fax (08) 9455 1227

ARDEX New Zealand Ltd

Auckland	Ph (09) 5800 005	Fax (09) 5799 963
Wellington	Ph (04) 5685 949	Fax (04) 5686 376
Christchurch	Ph (03) 3843 029	Fax (03) 3849 779

Technical Services Toll Free: 1800 224 070

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