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# ARDEX WPM 157

## (Polyurethane DPM 157)

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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 planter box internals and retaining walls

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**ARDEX Australia Pty Ltd**

20 Powers Road  
Seven Hills NSW 2147  
Phone: 1300 788 780  
Fax: 1300 780 102  
Email: [technicalservices@ardexaustralia.com](mailto:technicalservices@ardexaustralia.com)  
Internet: [www.ardexaustralia.com](http://www.ardexaustralia.com)

**ARDEX New Zealand Ltd**

32 Lane Street  
Woolston, Christchurch 8241  
Phone: 0800 227 339  
Fax: (03) 3849779  
Email: [info@ardexnz.com](mailto:info@ardexnz.com)  
Internet: [www.ardex.co.nz](http://www.ardex.co.nz)

# ARDEX WPM 157

## (Polyurethane DPM 157)

### One Part Moisture Cured Polyurethane Membrane

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#### DESCRIPTION

ARDEX WPM 157 (Polyurethane Membrane) is a single component moisture cured polyurethane system for waterproofing.

#### FEATURES

- Excellent flexibility.
- One component.
- Good adhesion to a wide range of substrates.
- Excellent chemical resistance.
- Decrease in construction cost and time.
- Can be applied as a single coat finish at 1mm thickness.

#### TYPICAL APPLICATIONS

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

#### APPLICATION

Application by 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 for a minimum of 3 days 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

Application using a 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

Direct bonding of ceramic tiles or other hard coverings is not recommended. Topping screeds should be self-supporting (i.e. 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. ARDEX WPM 157 is not UV stable and not resistant to foot traffic.

#### THINNING AND CLEAN UP

Thinning of ARDEX WPM 157 is not required since this will inhibit the ability to achieve the correct 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.

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### SAFETY PRECAUTIONS

ARDEX WPM 157 is a hazardous and non-dangerous good. 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).

### HANDLING AND STORAGE

ARDEX WPM 157 can be stored for 9 months at below 25°C. Avoid prolonged exposure to humidity or temperature above 50°C. Avoid contamination with water or alcohols.

### PACKAGING

20kgs (nominal 15 litres). FOR FURTHER MATERIAL SAFETY DATA, CONSULT THE LATEST MATERIAL SAFETY DATA SHEET.

### TECHNICAL DATA

<b>Composition</b>	Single pack moisture curing polyurethane
<b>Appearance</b>	Grey viscous liquid
<b>Density</b>	1.4±0.1 kg/L
<b>Solid content (%)</b>	92±2
<b>Tack free time (hrs at 25°/ 60%RH)</b>	max 3
<b>Curing time (hrs at 25°/ 60%RH):</b>	
<b>Coating thickness 1.0mm</b>	max 24hr
<b>Coverage rate:</b>	approx. 13m <sup>2</sup> @ 1mm dry film thickness
<b>Proper hardness (Shore A)</b>	45
<b>Tensile strength MPa</b>	2 MPa
<b>Elongation (%)</b>	690
<b>VOC content</b>	130g/L

#### 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.

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#### **ARDEX Australia Pty Ltd**

Phone: 1300 788 780  
Fax: 1300 780 102

#### **Toll Free Technical Services:**

1800 224 070 (Australia)

#### **ARDEX New Zealand Ltd**

Phone: 0800 227 339  
Fax: (03) 3849779

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