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# ARDEX WPM 185

## (Shelterbit Mineral Membrane)

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4.5kg/m<sup>2</sup> mineral coated APP bitumen membrane

Excellent resistance to atmospheric agents

Resistant to chemical attacks

High puncture resistance

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# ARDEX WPM 185

## (Shelterbit Mineral Membrane)

### 4.5kg/m<sup>2</sup> Mineral Coated APP Bitumen Membrane

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#### PRODUCT DESCRIPTION

ARDEX WPM 185 (Shelterbit Mineral) is an A.P.P. (Atactic Polypropylene) Plastomeric type modified bitumen membrane, consisting of a specially formulated bituminous compound of distilled asphalt modified with selected high grade visco-elastic polymers and reinforced with a combined reinforcement (Polyester and Fibreglass).

ARDEX WPM 185 is coated with a slate mineral granule topping, while the bottom surface is embossed and protected by a heat sensitive polythene film. This type of finish for the lower surface has been chosen for two specific purposes:

1. To act as a temperature gauge during application. When the film melts it shows that the compound is at the correct temperature.
2. The embossing is to allow the gases to rapidly escape when heated to its correct installation temperature avoiding possible problems of bubbling and blistering.

#### FEATURES AND BENEFITS

- Positive vapour barrier.
- Excellent resistance to atmospheric agents.
- Cold flexibility -5°C.
- Excellent elongation.
- Resistant to chemical attacks.
- Withstand thermal shocks.
- Heat welded laps provide homogenous joint.
- High puncture resistance.

#### USES

ARDEX WPM 185 is used as a cap layer in exposed membrane systems (allowing light foot traffic for maintenance).

ARDEX WPM 185 is available in slate grey.

#### INSTALLATION

The application of ARDEX WPM 185 should be carried out by an accredited applicator.

Installation shall be strictly in accordance with the manufacturer's recommendations.

All surfaces to which the ARDEX Shelterbit systems are installed must be properly prepared prior to installation. All surfaces must be clean, dry, smooth and free of sharp edges, fines, loose or foreign materials, oil, grease and other materials which may damage the membrane. New concrete must be cured a minimum of 28 days prior to the installation.

#### ARDEX WPM 185

Apply to all surfaces one coat of ARDEX WPM 240 Bituminous Primer at a coverage rate of 5 square metres per litre and allow to dry thoroughly.

NOTE: when used as an intermediate layer over a base sheet, primer is not required.

A layer of ARDEX WPM 185 (Shelterbit Mineral) shall be installed over all surfaces to be treated by LPG torch application techniques by an ARDEX accredited applicator. The ARDEX WPM 185 (Shelterbit Mineral) must be fully bonded with side laps of 7.5cm and end laps of 10cm. The membrane must be detailed in accordance with ARDEX recommendations. Overlaps shall be sealed by torch.

#### SAFETY PRECAUTIONS

ARDEX WPM 185 is non-hazardous; non-dangerous goods.

However during installation exercise caution when working with open flame. Examine all surfaces to which the flame has been applied for smouldering or burning conditions.

Do not use open flame on or near highly combustible materials. Follow all local fire codes.

#### STORAGE

All rolls of ARDEX WPM 185 should be stored in a covered area protected against sunlight and UV radiation. Rolls should be stored in a vertical position on a smooth floor so as not to damage the edges.

#### PACKAGING

Roll size: 1m x 8m

Roll weight: Approximately 36kg

## TECHNICAL DATA

The Technical Data shown below are the average results of the Tests, Measurements and Trials, carried out on ARDEX WPM 185 Waterproofing Membrane.

<b>Characteristics</b>	<b>Standard</b>	<b>Units</b>	<b>Nom.</b>
Length	EN 1848-1	m	8
Width	EN 1848-1	m	1.0
Aeric mass	EN 1849-1	kg/m <sup>2</sup>	4.5
Heat stability	EN 1110	°C	110
Cold flexibility	EN 1109	°C	-5
Tensile strength	EN 12311-1		
Ultimate longitudinal		N/5cm	720
Ultimate transverse		N/5cm	420
Elongation at break	EN 12311-1		
Longitudinal		%	40
Transverse		%	45
Tear resistance	EN 12310-1		
Longitudinal		N	130
Transverse		N	120
Reinforcement	Combined	g.s.m.	180
Surface finishes	Lower <sup>1</sup>	torch film	
	Top <sup>2</sup>	slate chip	

Note 1) Lower surface; the surface which is applied to the structure being waterproofed.

Note 2) Top surface; exposed to underside of covering membrane.

## 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: [techinfo@ardexaustralia.com](mailto:techinfo@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”.

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