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# ARDEX WPM 150

## (Shelterbit 3/160 Membrane)

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3.0mm Combined Reinforced APP Bitumen Membrane

Cold flexibility to -5°C

Excellent elongation

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#### PRODUCT DESCRIPTION

ARDEX WPM 150 (Shelterbit 3/160) 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 polyester reinforcement.

ARDEX WPM 150 is coated with either a sanded or talc top surface finish, 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

##### A.P.P. modified compound

- Excellent cold flexibility to -5°C
- Excellent elongation
- Heat welded laps provide homogenous joint
- Prefabricated membrane
- Good elastic memory

##### Combined reinforcement carrier

- High mechanical characteristics
- High puncture resistance
- Good elongation
- Will not decay

#### USES

ARDEX WPM 150 is used as a single layer or multi-layer tanking membrane in horizontal or vertical applications, also for waterproofing balconies, terraces and roofs. ARDEX WPM 150 membrane is a sandwich membrane and must be protected from UV radiation.

#### INSTALLATION

The application of ARDEX WPM 150 should be carried out by an accredited applicator.

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

Acceptable substrates to which ARDEX WPM 150 systems are installed must be properly prepared prior to membrane installation.

All surfaces must be dry, clean, smooth, free of sharp edges, loose or foreign materials, oil, grease and other materials which may damage the membrane.

Prior to the application of ARDEX WPM 150 the base substrate surfaces should be primed with ARDEX WPM 240 (Shelterbit Primer). Coverage of primer will depend on the porosity of the substrate.

ARDEX WPM 150 is normally fully bonded to the prepared substrate with side laps of 75mm and end laps of 100mm. Overlaps shall be sealed by torch.

ARDEX WPM 150 may be used in various combinations to produce a variety of specifications tailored to suit the individual waterproofing need.

The exact specification will depend on functional and economic requirements. Advice should be sought for suitable specification from ARDEX Australia Pty Ltd.

#### SAFETY PRECAUTIONS

ARDEX WPM 150 is 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 150 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 10m

Roll weight: Approximately 35kg

Rolls per pallet: 28

## TECHNICAL DATA

The Technical Data shown below are the average results of the Tests, Measurements and Trials, carried out on ARDEX WPM 150 Waterproofing Membrane.

Characteristics	Standard	Units	Nom.
Length	UNI EN 1848-1	m	10
Width	UNI EN 1848-1	m	1.0
Thickness	UNI EN 1849-1	mm	3.0
Aeric Mass	UNI EN 1849-1	kg/m <sup>2</sup>	3.5
Heat Stability	UNI EN 1110	°C	110
Cold Flexibility	UNI EN 1109	°C	-5
Tensile strength	UNI EN 12311-1		
Ultimate Longitudinal		N/5cm	870
Ultimate Transverse		N/5cm	560
Elongation at Break	UNI EN 12311-1		
Longitudinal		%	45
Transverse		%	45
Tear resistance	UNI EN 12310-1		
Longitudinal		N	130
Transverse		N	130
Reinforcement	Combined	g.s.m.	150
Surface finishes	Lower <sup>1</sup> Top <sup>2</sup>	torch film sand	

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

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

All tests have been carried out to UEATC, to tolerances as per European Directive.

## 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.

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