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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  $-5^{\circ}\text{C}$

Excellent elongation

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# ARDEX WPM 150

## (Shelterbit 3/160 Membrane)

### 3.0mm Combined Reinforced APP Bitumen Membrane

#### 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/BENEFITS

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

- Excellent cold flexibility to  $-5^{\circ}\text{C}$ .
- Excellent elongation.
- Heat welded laps provide homogenous joint.
- 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.

#### 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.

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.

#### APPLICATION

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 150 shall be installed over all surfaces to be treated by LPG torch application techniques by an ARDEX accredited applicator. The ARDEX WPM 150 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.

#### Pay attention to the following:

Before any substrate preparation, installation or finishing methods relating to ARDEX product are undertaken, please be aware of any potential risks and use appropriate PPE (personal protective equipment). This may involve contacting substrate manufacturers for Safety Data Sheets.

#### SAFETY DATA

Avoid contact with skin and eyes. In case of contact with the eyes, wash out immediately with fresh running water. If irritation continues, seek medical attention. Wear protective gloves, clothing, face and eye protection. Suspected of causing cancer. This product is combustible. On combustion, may emit toxic fumes of carbon monoxide (CO). Avoid inhaling dust/ fume/ gas/ mist/ vapours/ spray. If fumes or combustion products are inhaled remove from contaminated area. Ensure adequate ventilation during application. Check with your local Council regarding the disposal of contents. Call the Poisons Information Centre on 131 126 (AUS) and 0800 764 766 (NZ) or call a doctor if you feel unwell. At times updates can occur to data. To ensure you have the most current technical and safety information please consult the latest data sheets found on the product page at [www.ardexaustralia.com](http://www.ardexaustralia.com).

#### 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

# ARDEX WPM 150

## (Shelterbit 3/160 Membrane) 3.0mm Combined Reinforced APP Bitumen Membrane

### 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	Value
Length	EN 1848-1	10 m
Width	EN 1848-1	1.0 m
Thickness	EN 1849-1	3.0 mm
Aeric mass	EN 1849-1	3.5 kg/m <sup>2</sup>
Heat stability	EN 1110	120°C
Cold flexibility	EN 1109	-5°C
Tensile strength Ultimate longitudinal Ultimate transverse	EN 12311-1	800 (N/5cm) 500 (N/5cm)
Tear resistance Longitudinal Transverse	EN 12311-1	45% 45%
Tear resistance Longitudinal Transverse	EN 12310-1	180 (N) 200 (N)
Reinforcement	Combined	150 g.s.m.
Surface finishes	Lower <sup>1</sup> Top <sup>2</sup>	Torch film Sand or talc

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

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

### DISCLAIMER

The technical details, recommendations and other information contained in this datasheet 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 Standards. Our instructions and recommendations are only for the uses they are intended. Users are advised to confirm that this product is suitable for their application and conforms with the specifications of the system. 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 affect 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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This datasheet was issued in January 2021 and is valid for 3 years, in some instances a newer version may be published. Always refer to [www.ardexaustralia.com](http://www.ardexaustralia.com) for the latest technical data from ARDEX Australia Pty Ltd.