



ARDEX WPM 185

(Shelterbit Mineral Membrane)

4.5kg/m² mineral coated APP bitumen membrane

Excellent resistance to atmospheric agents

Resistant to chemical attacks

High puncture resistance

Available in grey & white mineral finishes.

ARDEX Australia Pty Ltd

20 Powers Road
Seven Hills NSW 2147
1300 788 780
technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd

15 Alfred Street
Onehunga, Auckland 1061
0800 227 339
info@ardexnz.com
www.ardex.co.nz

ARDEX WPM 185

(Shelterbit Mineral Membrane)

4.5kg/m² Mineral Coated APP Bitumen Membrane

DESCRIPTION

ARDEX WPM 185 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/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 and white.

INSTALLATION

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

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 185 shall be installed over all surfac-

es to be treated by LPG torch application techniques by an ARDEX accredited applicator. The ARDEX WPM 185 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. This product is combustible. Suspected of causing cancer. On combustion, may emit toxic fumes of carbon monoxide (CO). When handling the product do not eat, drink or smoke. 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.

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

ARDEX WPM 185

(Shelterbit Mineral Membrane) 4.5kg/m² Mineral Coated 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 185 waterproofing membrane.

Characteristics	Standard	Value
Length	EN 1848-1	8 m
Width	EN 1848-1	1.0 m
Aeric mass	EN 1849-1	4.5 kg/m ²
Heat stability	EN 1110	120°C
Cold flexibility	EN 1109	-5°C
Tensile strength: Ultimate longitudinal Ultimate transverse	EN 12311-1	700 (N/50mm) 450 (N/50mm)
Elongation at break: Longitudinal Transverse	EN 12311-1	40% 45%
Tear resistance: Longitudinal Transverse	EN 12310-1	150 (N) 150 (N)
Reinforcement	Combined	180 g.s.m
Surface finishes	Lower ¹ Top ²	torch film slate chip

Product Characteristics – white mineral finish only

Solar Reflectance	ASTM E-903	70%
Infrared Emittance	ASTM E-903	90%
Solar Reflectance Index (SRI)	ASTM E-1980	80%

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.

© ARDEX Australia Pty Ltd 2021.

All aforementioned products are the trademarks of ARDEX Australia Ltd, its licensors and affiliates.

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 for the latest technical data from ARDEX Australia Pty Ltd.