



ARDEX WPM 185

4.5 kg/m² Mineral Coated APP Bitumen Membrane

Positive vapour barrier

Excellent resistance to atmospheric agents cold flexibility -0°C

Excellent elongation

Resistant to chemical attack

Withstand thermal shocks

Heat welded laps provide homogenous joints

High puncture resistance



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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 polyester reinforcement (Polyester and fiberglass).

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.

USE

ARDEX WPM 185 is used as a capping layer in UV exposed membrane systems for environments such as rooftops, decks, terraces, and tanking environments. The mineral finish allows for light maintenance foot traffic. ARDEX WPM 185 is available in both slate grey, green and white mineral finishes.

FEATURES & BENEFITS

- Positive vapour barrier
- Excellent resistance to atmospheric agents cold flexibility -0°C
- Excellent elongation
- Resistant to chemical attack
- Withstand thermal shocks
- Heat welded laps provide homogenous joints
- High puncture resistance

APPLICATIONS

The application of ARDEX WPM 185 should be carried out by an approved ARDEX Applicator. Installation shall be strictly in accordance with the manufacturer's recommendations.

Prior to the application of ARDEX WPM 185 all prepared concrete surfaces should be primed with ARDEX WPM 240 at a rate of 5m² per litre and allowed to dry. Coverage rate will depend on the porosity of the substrate being treated.

To ensure the correct shedding of water, the membrane must be installed from the lowest point of the area and work towards the highest point, in the direction of the slope. A layer of ARDEX WPM 185 should be completely unrolled and aligned. Using a suitable

pressure roller and suitable LPG gas torch equipment, the membrane is to be applied using appropriate application techniques.

Using an LPG gas torch, fuse the laps of the ARDEX WPM 185 to form a continuous membrane layer, with minimum side laps of 100mm and minimum end laps of 150mm.

All angles and abutments should be sealed with extra care to ensure full bondage. Seal the edges well into the grooves and protect with ARDEX 291 polyurethane sealant.

The exact specification will depend on functional and economic requirements. Advice should be sought for suitable specification from ARDEX Technical Services.

TECHNICAL DATA

The technical data shown here below are the average result of the tests, measurements and trials, carried out on ARDEX WPM 185 waterproofing membrane.

Description	Nominal Values	Tolerance
Length (EN 1848-1):	10 m	min (-0.03)
Width (EN 1848-1):	100 cm	min (-2)
Mass (EN 1849-1):	4.5kg/m ²	± 10%
Flow resistance (EN 1110):	120°C	-10°C
Cold bending (EN 1109):	≤ 0°C	min
Tensile strength EN 12311-1: MD CD	800 N/50mm 500 N/50mm	± 20% ± 20%
Elongation (EN 12311-1): MD CD	35% 40%	± 15% ± 15%

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Note

1. Lower surface: the surface which is applied to the structure being waterproofed.
2. Top surface: exposed to underside of covering membrane.

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

PACKAGING

Roll size 1m x 10 m

Roll weight: Approximately 45 kg

Roll per pallet: 25 rolls

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.

SAFETY PRECAUTIONS

ARDEX WPM 185 is not classified as 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. Additional information is in the material Safety Datasheet (SDS) available upon request or online at www.ardex-quicseal.com.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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