

ARDEX WPM 1000 - WeldTec Weldable Waterproofing Sheet Membrane

Product Technical Statement: 106207



Versatile rubber membrane that can be heat welded. Suitable for undertile waterproofing and roofing.

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Level of assurance needed to demonstrate NZ Building Code Compliance

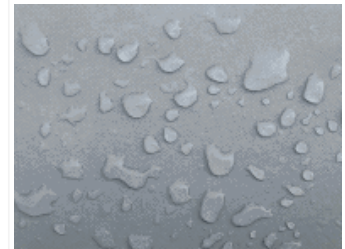
Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



ARDEX confirms that this minimum level of assurance has been met or exceeded by the following:

BRANZ Appraisal

[727 \(2023\)](#), [925 \(2019\)](#)



Technical Statement

Product Description

ARDEX WPM 1000 Weldable Waterproofing Membrane is a versatile rubber membrane that can be heat welded. It is suitable for waterproofing underground tanking, roofs, decks and tiles. ARDEX WPM 1000 is made up of synthetic rubber with properties which resist ageing from heat, sunlight and ozone and is heat weldable. Polypropylene filaments are welded onto both sides of the membrane for better wetting by water based adhesives. It has excellent gas impermeability and toughness and remains flexible at low temperatures. Laps and corners are to be heat formed and/or welded. Tiling can be done directly on the membrane after 60 minutes with common ARDEX tiling adhesives like X 77, X 56 STS 8/E 90, Quickbond/Abalastic, 2 part Optima or ABAFLEX.

Scope of use

ARDEX WPM 1000 is suitable for waterproofing underground tanking, rooftops, decks, undertile, canal and pond linings.

ARDEX WPM 1000 can be applied to fibre cement compressed sheet, closed cell polyurethane foam, plywood, timber, new or old concrete, wet wall linings i.e. Gib, Aqualine, VillaBoard.

ARDEX WPM 1000 is not suitable as a trafficable surface. ARDEX WPM 1000 is compatible with undertile heating systems. For electric undertile heating, the wire must be covered with a thin screed prior to laying the membrane.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(b)
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2
- **Clause E3 Internal moisture:** Performance E3.3.6
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



BRANZ Appraisal

[727 \(2023\)](#), [925 \(2019\)](#)

Product Criteria

Design requirements

ARDEX WPM 1000 Weldable Waterproofing Membrane is a versatile rubber membrane that can be heat welded. It is suitable for waterproofing underground tanking, rooftops, decks, undertile, canal and pond linings.

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Laps and corners are to be heat formed and/ or welded. Tiling can be done directly on the membrane after 60 minutes with common ARDEX tiling adhesives like X77, X56 STS8/ E90, Quickbond/Abalastic, 2 part Optima or ABAFLEX.

Installation requirements

masterspec partner

Company Contact Details



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Substrates must be dry, clean and stable, with surfaces that are even and free from nibs, sharp edges, dust, dirt or other materials such as oil, grease etc.

For further details of substrate preparation, please refer to the [ARDEX WPM 1000 Datasheet](#), or contact [ARDEX Technical Support](#) on 0800 227 339.

Roll out ARDEX WPM 1000 and cut to the measured length. Smooth ARDEX WPM 1000 on contact to minimise air entrapment beneath the membrane. Floor sheets of ARDEX WPM 1000 must extend up the wall at least 150mm. Make sure the ARDEX WPM 1000 is laid tightly into all corners. Wall sheets of ARDEX WPM 1000 should overlap the 150mm upstand. Weld seams and laps with the Leister Triac S Hot Air Gun. Roll with a rubber roller to ensure seams and laps are secure.

Apply the ARDEX WPM 1000 membrane 1800mm up the walls or to a height of 150mm above the shower rose. For unenclosed showers the membrane must extend a minimum of 1500mm out from the shower rose.

Maintenance requirements

No maintenance of the membranes will be required provided significant substrate movement does not occur and the tile finish remains intact. Regular checks must be made of the tiled areas to ensure they are sound and will not allow moisture to penetrate. Any cracks or damage must be repaired immediately by repairing the tiles, grouts and sealants.

In the event of damage to the membrane, the tiling must be removed and the membrane repaired by removing the damaged portion and applying a patch as for new work.

Drainage outlets must be maintained to operate effectively, and ceramic or stone tile finishes must be kept clean.

Company Product Information

Quality Assurance



ISO 9001 (Quality Management)

Relationships



Member of New Zealand Green Building Council



New Zealand Made



Date last validated: **14 February 2023**



Date last updated: **14 February 2023**

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