

ARDEX WPM 750 - Weldtec Undertile Waterproofing Membrane

Product Technical Statement: 103447



Undertile sheet waterproofing membrane for wet area tiling

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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 \(2023\)](#)

Technical Statement

Scope of use

ARDEX WPM 750 Undertile Sheet Membrane has been appraised for use as waterproofing membrane for internal wet areas of buildings, within the following scope:

- on floor substrates of concrete, plywood, compressed fibre cement sheet and fibre cement sheet tile underlay, and on wall substrates of concrete, concrete masonry, wet area fibre cement sheet lining systems and wet area plasterboard lining systems; and,
- when protected from physical damage by ceramic or stone tile finishes; and,
- where floors are designed and constructed such that deflections do not exceed 1/360th of the span.

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 E3 Internal moisture:** Performance E3.3.6
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

BRANZ Appraisal 727 (2011)

Supporting Evidence

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



BRANZ Appraisal
[727 \(2023\)](#)

Product Criteria

Design requirements

Ardex WPM 750 (Undertile Butynol®) 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 X77, X56 STS8/E90, Quickbond/Abalastic, 2 part Optima or ABAFLEX. Undertile Butynol® is marketed by Ardex as a warranted undertile waterproofing product using solvent free adhesives and fixed by their trained and experienced approved Applicators.

Installation requirements

Roll out ARDEX WPM 750 Undertile Butynol® and cut to the measured length. Smooth ARDEX WPM 750 Undertile Butynol® on contact to minimise air entrapment beneath the membrane. Floor sheets of ARDEX WPM 750 Undertile Butynol® must extend up the wall at least 150mm. Make sure the Undertile Butynol® is laid tightly into all corners. Wall sheets of Undertile Butynol® 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. Walls, internal corners & transitions. Apply the ARDEX WPM 750 Undertile Butynol® 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



masterspec partner

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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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