

Self-adhesive damp-proof membrane (DPM)

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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



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

BRANZ Appraisal  
[517](#)

## Technical Statement

### Product Description

Protecto Wall is a self adhering sheet waterproofing membrane system designed to prevent water vapour penetrating through basement retaining walls.

### Scope of use

ProtectoWall® has been appraised as damp-proof membranes for use under floor slabs complying with NZS 3604 and as a damp-proof membrane behind concrete masonry basement walls and under floor slabs complying with NZS 4229.

ProtectoWall® has also been appraised for use as a damp-proof membrane on buildings subject to specific design within the following scope:

- where the design of the building will be the responsibility of the building designer; and,
- with clean, sound, continuous substrates of insitu or precast concrete complying with NZS 3101 and AS/NZS 1170 or concrete masonry complying with NZS 4230 and 4210; and,
- the membrane is adequately protected against damage during backfilling and in service; and,
- subsoil drainage and free draining granular backfill has been placed behind basement walls.

### Conditions & Limitations

The system must only be installed by Certified installers

The system must be installed in accordance with the specifications and latest technical information and must comply with all relevant clauses of the NZBC regulations and standards

### 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(a)
- **Clause E2 External moisture:** Performance E2.3.3
- **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  
[517](#)

## Product Criteria

### Design requirements

Protecto Wall is a self-adhering sheet waterproofing membrane system designed to prevent water vapour penetrating through basement retaining walls. Protecto Wall consists of a tough fabric reinforcement laminated between two layers of aggressive adhesive membrane. Protecto Wall is tacky on both sides of the membrane providing adhesion to the substrate and an adhesive face to hold the protection board in place. Protecto Wall is used in conjunction with Protecto Wrap Detail Tape, JS160 H Mastic and Protecto Wrap Primer. It will adhere to concrete, timber, steel, polystyrene and fibre cement sheeting to provide a durable water vapour barrier.

### Installation requirements

Install of the ProtectoWall membrane must be done by Marshall Innovations Limited trained & approved installers. All surfaces to receive the membrane shall be smooth, clean & free from any defects or irregularities that may affect adhesion or damage the membrane. For further details click here details



**masterspec partner**

### Company Contact Details



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## Maintenance requirements

Regular inspections are required to ensure the membrane top edge seal and protection, backfilling cap and wall drainage are all functioning correctly. The slope of the backfill cap must be maintained at all times.

## Warrantees

It is not intended for Protecto Wall to have long term exposure to UV. Protecto Wall should be covered within 60 days of installation. Provided that Protecto Wall is continually protected from sunlight and UV radiation it is warranted to be free of defects in manufacture for a period of 50 years. This warranty is limited to replacement of the Protecto Wall material.



Date last validated: **07 July 2020**



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