

# PRODUCT TECHNICAL STATEMENT



## ProtectoWall System

### BRANZ Appraised 517 (2013)

Issuing Authority	Marshall Innovations Ltd.
PTS Version & Date	PTS Version 01/2015
Name of manufacturer and building product / system	Manufacturer's: ProtectoWrap: ProtectoWall Membrane ProDrain8: Interplast
Product Description	<p>ProtectoWall® is a self-adhesive damp-proof membrane (DPM), designed to be applied to the exterior face of basement retaining walls to prevent water vapour penetrating to the interior face in spaces where moisture may cause damage. The product is supplied as self-adhering, cold-applied, polymer-rubber modified bitumen sheets in roll form.</p> <p>ProDrain8 is a 2.1m x 1.2m HDPE protection sheet placed over the top of ProtectoWall which provides excellent compressive strength whilst keeping water from reaching the wall surface.</p>
Scope	<p>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:</p> <ul style="list-style-type: none"><li>• where the design of the building will be the responsibility of the building designer; and,</li><li>• 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,</li><li>• the membrane is adequately protected against damage during backfilling and in service; and,</li><li>• subsoil drainage and free draining granular backfill has been placed behind basement walls.</li></ul>
Conditions & Limitations	<p>The system must only be installed by Certified installers</p> <p>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</p>
Warranties	<p>All products used in the Protecto Wall System are warranted to be free of defect in manufacture for a period of fifteen years. This warranty is limited to replacement of the products only. Marshall Innovations (the distributor) is not liable for incorrect installation or any accidental or wilful damage.</p>
Design & Installation Instructions	<p>Please refer to ProtectoWall Technical Specification for full details of installation. <a href="http://www.mwnz.com/pdf_downloads/1_Protecto%20Wall%20Spec_Oct2014.pdf">http://www.mwnz.com/pdf_downloads/1_Protecto%20Wall%20Spec_Oct2014.pdf</a></p> <p>ProtectoWall must only be installed by certified installers.</p>
Compliance with the New Zealand Building	<p>Clause B2 DURABILITY: Performance B2.3.1 (a) not less than 50 years. ProtectoWall® meets this requirement.</p>



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Code	Clause E2 EXTERNAL MOISTURE: Performance E2.3.3. ProtectoWall® meets this requirement. Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. ProtectoWall® meets this requirement and will not present a health hazard to people. ProtectoWall® has been appraised as an Alternative Solution in terms of New Zealand Building Code compliance.
Quality assurance	ProtectoWrap Membrane Meets IAPMO Certification Interplast Drainage Sheet ISO 9001
Product Support	Marshall Innovations - 0800 776 9727 <a href="http://www.mwnz.com">www.mwnz.com</a>

