

# Waterproofing Systems NZ Ltd bituBOND® bitumen Tanking

Product Technical Statement: 100993



A self-adhesive damp proof SBS modified bitumen membrane which is self-protected by a HDPE film.

[View miproducts listing](#)



## 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



Waterproofing Systems NZ Ltd confirms that this minimum level of assurance has been met or exceeded by the following:

BRANZ Appraisal

[558](#)



## Technical Statement

### Product Description

bituBOND® is a BRANZ Appraised self-adhesive membrane system, designed for protecting concrete foundations and vertical walls from aggressive soil attack, dampness and vapour transmission.

### Scope of use

The bituBOND membrane system is designed for protecting under floor slab, foundations and vertical walls from contaminated soil, dampness and vapour transmission.

The bituBOND® system is used in applications where damp proofing is required such as in non hydrostatic excavations or away from the water table. Suitable for residential homes, apartments, commercial buildings.

Substrates:

- Residential - Masonry blocks, insitu concrete, polystyrene blocks, under slab, plastic blocks
- Apartments - Masonry blocks, tilt slabs, insitu concrete
- Commercial - Masonry blocks, tilt slabs, under slab
- Shingle Roofs - used as an underlay
- Thatched Roofs - used in Pacific Islands as underlay waterproofing

### 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

### Notes

B 2.3.1(a) Durability 50 years

E 2.3.3 Walls, floors, and structural elements in...

F 2.3.1 The quantities of gas, liquid, radiation or...

BRANZ Appraisal 558

### Evidence

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

BRANZ Appraisal 558

### Supporting Evidence

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



BRANZ Appraisal

[558](#)

### Use in Service History

23 Years in Service History

## Product Criteria

### Company Contact Details

## BITUBOND TANKING MEMBRANE

Brand: Waterproofing Systems NZ Ltd

Company: Waterproofing Systems NZ Ltd

Physical Address: Malvern Road  
Onehunga  
Auckland

Postal Address: Malvern Road  
Onehunga  
Auckland

Telephone: 64 09 5791460

Fax: 64 09 5791461

Email: [info@waterproofing.co.nz](mailto:info@waterproofing.co.nz)

Website: <http://www.waterproofing.co.nz>

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## Design requirements

Masonry concrete blocks, in-situ concrete, tilt slabs to be sound, clean and dry, free of concrete release agents and concrete dust and contaminants.

All surfaces to be flush pointed.

Moisture content to be 75% RH.

For polystyrene block surfaces flush point any manufacturing grooves, foundation to the polystyrene block construction joint and ensure surface is clean and dry.

Ensure correct primer is used for substrate for the application.

Use extruded bitumen fillets where required.

## Installation requirements

Refer the Waterproofing Systems installation guidelines and specifications.

Only installed by licenced LBP registered Waterproofing Systems NZ Ltd applicators.

Quality Control checksheets must be completed for each job and kept as a record of evidence to ensure the installation meets WPSNZ specification.

The system should be installed in dry conditions.

The substrate must have a maximum moisture content of 75% RH for concrete at the time of laying.

For extended foundations, install extruded bitumen fillets.

For flush foundation, use bituBOND strips to create an under flashing at floor-wall construction joint.

Primer is applied at the correct application rate.

Installation of bituBOND membrane system.

## Maintenance requirements

Annual inspections must be made of the membrane top edge seal and protection, the backfill capping, and the drainage pipe to ensure all are functioning as originally design.

Refer to the Care & Maintenance instructions available on our website and are attached to the Warranty document.

## Warrantees

Only installed by licenced LBP registered Waterproofing Systems NZ Ltd applicators.

When fixed according to specification and subject to normal environmental conditions and use, the bituBOND membrane system will have an in-service life of not less than 50 years.

A 20 Year Material Warranty is issued on receipt of Quality Control Checksheet/s and warranty application.



Date last validated: 07 July 2020



Date last updated: 07 July 2020

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