

Allco - Volclay® Waterproofing / Tanking System

Product Technical Statement: 106665



The Volclay® Waterproofing System consists of products that are based on or use sodium bentonite.

[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



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

BRANZ Appraisal
[507\(2019\)](#)



Technical Statement

Scope of use

The Volclay® Waterproofing System has been appraised for use as:

- an external waterproof tanking membrane to in-situ concrete, precast concrete and concrete masonry basement constructions subject to hydrostatic pressures of up to 2 bar (20 metres); and,
- a damp-proof membrane (DPM) to slab-on-ground and basement constructions; and,
- a waterproof membrane to plaza deck roof structures.

The Volclay® Waterproofing System must:

- be used adequately confined and protected against damage during construction and in service; and,
- not be used where ground water conductivity exceeds 2,500 $\mu\text{S}/\text{cm}^{-1}$ except on advice from Allco Waterproofing Solutions

All installations incorporating the Volclay® Waterproofing System must be the subject of specific design. Building designers are responsible for the incorporation of the system following the guidance details provided by Allco Waterproofing Solutions Ltd. The designer must provide design and installation detailing within the contract documents.

The Volclay® Waterproofing System must be installed by Allco Waterproofing Solutions Ltd Approved and Trained Applicators.

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 B1 Structure:** Performance B1.3.2, B1.3.3(e)
- **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
[507\(2019\)](#)

Product Criteria

Design requirements

Every installation of the Volclay® Waterproofing System must be the subject of specific design. The designer is responsible for incorporating all design and installation details within the construction documentation based on the guidance documents provided by Allco Waterproofing Solutions Ltd.

Installation requirements

For detailed install instruction see the following link

[Volclay Technical Document Downloads area](#)

Maintenance requirements

Annual inspections must be made of the membrane top edge seal and protection, the backfill capping, subsoil drainage system and plaza deck finishing ensuring all are functioning as originally designed.

masterspec partner

Company Contact Details



Brand:	Allco
Company:	Allco Waterproofing Solutions Ltd
Physical Address:	3 Te Kea Place Rosedale AUCKLAND
Postal Address:	PO Box 101903 North Shore AUCKLAND
Telephone:	64 09 4481185
Fax:	64 09 4481186
Email:	info@allco.co.nz
Website:	www.allco.co.nz

Allco - Volclay® Waterproofing / Tanking System

Product Technical Statement: 106665



If required, the drainage system must be cleared to remove any sediment or silt build-up. The slope of the backfill capping must be maintained at all times.

Company Product Information

Relationships



Member of New Zealand Green Building Council



Date last validated: **23 September 2020**



Date last updated: **23 September 2020**

Disclaimer: The Product Technical Statement (PTS) template is copyright to Construction Information Limited. However the content of this PTS is the responsibility of the product manufacturer/supplier. Refer to the miproducts Terms and Conditions