

Reoxthene Technology

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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



Mapei confirms that this minimum level of assurance has been met or exceeded by the following:
BRANZ Appraisal
[804](#)

Technical Statement

Product Description

- Plasto-styrene waterproofing membrane.
- It is made of the latest generation distilled bitumen-based compound
- Density ≤ 1 g/cm³ Test method ISO 1183)
- Ultra-light REOXTHENE technology, with EVALITH™ XTR polyester spunbond from Johns Manville
- Stabilized and reinforced with longitudinal glass fiber threads.
- The compound ensures elevated cold flexibility.

Scope of use

Single or double layer systems directly torched to floor slabs , footings , block walls and planter boxes.

Precast concrete or insitu concrete complying with NZS 3101 or concrete masonry complying with NZS 4230 and 4210.

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
[804](#)

Product Criteria

Design requirements

Easylift torchon tanking is for below ground footings , blockwalls , insitu or precast concrete. Installed in a single layer , or double layer system ,fully protected.

Installation requirements

All substrates need to be primed before application. Application instructions for the primers are contained in the technical data sheets.

Starting at the lowest point , the membrane must be installed in accordance with Mapei NZ Ltd technical literature. Sheet laps , edges and ends must be overlapped as per technical literature. Internal and external corners must be reinforced with an extra layer of membrane 300 mm wide. Protection must be installed (polyfond Kit drain) before back filling. Back filling must commence immediately after the membrane is installed to ensure no long time exposure to sunlight or UV radiation.

Maintenance requirements

Annual inspections must be made to membranes top edge seal and termination bar. Check all drainage outlets , to ensure all systems are functioning correctly. If required the drainage coil / or pipe must be cleared to remove any sediment or silt build up. The falls of the back fill capping must be maintained.

Warrantees

15 Years Durability Warranty for a single layer system

20 Years Durability Warranty for a 2 layer 3mm+3mm system.

masterspec partner

Company Contact Details



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Mapei Easy Lift Torch-On Tanking

Product Technical Statement: 109340



Only to be installed by an approved Mapei NZ Ltd installer.

Quality of installation on site is the sole responsibility of the Mapei NZ Ltd approved applicator. Building Owners are responsible for the maintenance of the membrane system in accordance with Mapei NZ Ltd. Maintenance and Care documents will be provided with every warranty application.

Company Product Information

Quality Assurance



ISO 9001 (Quality Management)



Date last validated: **03 August 2023**



Date last updated: **03 August 2023**

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