EasyLift - Torch On Tanking

Building Product Information Requirements Compliance Statement

Date: 16/08/23 (version 1)

Product name: **EasyLift - Torch On Tanking**

Product identifier: **Easylift**

Product Line

The Easylift torchon tanking system is a single- or double-layer bitumen tanking membrane, 3mm or 4mm in thickness, for underslab, footings and block walls below ground.

Product Description

The Easylift torch on tanking is a bitumen-based damp-proof membrane for basement retaining walls and floors. They are applied under floor slabs and foundations and to the exterior face of basement retaining walls to prevent water vapor penetrating to the interior face in spaces where moisture may cause damage.

The Easylift system is supplied as torch–applied modified bitumen sheets in 3mm or 4mm thickness they are made from polymer-rubber modified bitumen, in roll a form and are applied as single- or double-layer systems.

Components and other accessories used with the system are listed in the (804) BRANZ appraisal.

Relevant Building code clauses

B2 Durability — B2.3.1 (a)

E2 External moisture — E2.3.2, E2.3.3, E2.3.7

F2 Hazardous building materials — F2.3.1

Contributions to Compliance

Clause B2 DURABILITY: Performance B2.3.1 (a) not less than 50 years. Easy Lift, REOXTHENE TECHNOLOGY® Membranes meet this requirement.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.3. Easy Lift, REOXTHENE TECHNOLOGY® Membranes meet this requirement.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Easy Lift, REOXTHENE TECHNOLOGY® Membranes meet this requirement.

REF: BRANZ Appraisal 804(2019)

Scope of use and design requirements

Easylift 3mm and 4mm can be used on:

- Buildings subject to non-specific design under floor slabs complying with NZS 3604 and behind concrete masonry basement walls and under floor slabs complying with NZS 4229.
- Within buildings subject to specific design with substrates of insitu or precast concrete complying with NZS 3101 or concrete masonry complying with NZS 4230 and 4210.
- and, where subsoil drainage and free draining granular backfill has been placed behind basement walls.

Conditions and Limitations of Use

All building work must be undertaken by MBP (NZ) Ltd approved applicators. Where the work involves Restricted Building Work, this must also be completed by, or under the supervision of, a Licensed Building Practitioner (LBP) with the relevant License class.

Design and installation instructions reference to BRANZ (804) and the Easylift technical datasheet.

Supporting Documentation

The following additional documentation supports the above statements:

Easylift - Technical Datasheet (Installation)

REV 1-23 Technical Datasheet

https://www.mapei.com/nz/en/products-and-solutions/products/detail/easy-lift---torch-on-tanking

Easylift - BRANZ (804) appraisal (Certification)

11 Jan 2023 BRANZ Appraisal

https://www.mapei.com/nz/en/products-and-solutions/products/detail/easy-lift---torch-on-tanking

Contact Details

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Warnings and Bans

Easylift 3mm or 4mm is not subject to a warning or ban under section 26 of the Building Act 2004.

Appendix

All relevant building code performance clauses listed in this document:

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:

(a)

the life of the building, being not less than 50 years, if:

those building elements (including floors, walls, and fixings) provide structural stability to the building, or

those building elements are difficult to access or replace, or

failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building.

E2 External moisture

E2.3.2

Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to building elements, or both.

E2.3.3

Walls, floors, and structural elements in contact with, or in close proximity to, the ground must not absorb or transmit moisture in quantities that could cause undue dampness, damage to building elements, or both.

E2.3.7

Building elements must be constructed in a way that makes due allowance for the following:

the consequences of failure:

the effects of uncertainties resulting from construction or from the sequence in which different aspects of construction occur:

variation in the properties of materials and in the characteristics of the site.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

Version History

Version number	Written by	Checked by	Date issued	Changes from previous version
V1 16/08/23	JP	PT	24/08/2023	New document