



PCC-179320-NZ

Version 1.0

ISSUED: Mar 2020

EXPIRES: Feb 2021

A Product Compliance Certificate



Product: The FlameSEAL Torch-on Membrane System for Roofs and Decks
Certificate-holder: Sealco Limited.



Product description:¹

The FlameSEAL membrane system is comprised of a full range of torch-on membranes used in a wide range of waterproofing applications for new roofs, warm roofs as well as for re-roofing situations.

Scope of Use & Limitation Statement:²

- A. The Single & Two Layer FlameSEAL “Torchon Membrane” system, is suitable for new Roofs, Decks and Tanking, on Concrete, Plywood and Cement Fibreboard substrates, based on the following conditions & limitations:
- Roof supporting structures of timber framing with substrates of plywood; and or substrates of suspended concrete slabs designed and constructed in accordance with the NZBC; and,
 - Situated in NZS 3604 Wind Zones, up to, and including 'Very High'; and
 - Protected from the weather by way of a UV protecting coating; and
 - Not to be installed in trafficable areas without the use of a mechanical protection system approved by Sealco Waterproofing Systems Ltd.;
- B. All designs and construction shall be in accordance with the Technical Manual ver 1.0 issued September 2019
- C. Installation shall be performed by Soba Inter Sealco trained and approved installers;
- D. Quality and maintenance shall be in accordance with the Sealco Building Product Quality Plan ver 1.0 issued September 2019.

Applicant:



Sealco Limited.

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Issuer:

Building Element Assessment Laboratory Ltd.

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NZBC Compliance

- B1.3.2 - Adherence between the membrane sheets
- B1.3.3 (h) - Wind uplift resistance
- B2.3.1 (b) & B2.3.2 - 15 years
- E2.3.1 & E2.3.2 - shedding of precipitation and resistance of water penetration
- F2.3.1 The product is not a health hazard to people
- H1.3.2E - Contributing to energy efficiency

Evidence relied upon including a buildability assessment:

- B1.3.2 - Testing* with in-service history in New Zealand
- B1.3.3 (h) - Testing with in-service history in New Zealand
- B2.3.1 (b) & B2.3.2 - Testing with in-service history in New Zealand
- E2.3.1 & E2.3.2 - Testing with in-service history in New Zealand
- F2.3.1 Expert Opinion from BEAL
- H1.3.2E - Test report and Opinion of energy efficiency by BEAL
- Buildability - Buildability Assessment completed by BEAL on 12 Dec 2015.
- * Testing carried out against the European Standard EN13707

Compliance with the Australian NCC - Volume One: (Class 2 to 9 buildings)

- FP1.2 Preventing rainwater from entering buildings
- FP1.4 Weatherproofing - assessed as an "alternative solution"

Title & version of the current Technical & Installation Manual:

The FlameSEAL membrane system Technical & Installation Manual ver 1.0 issued September 2019, is available from www.sealco.co.nz and the BEAL website www.beal.co.nz

Title & version of the current Building Product Quality Plan* & Site Checklists:

The Sealco BPQP ver 1.0 - issued March 2020

Requirement for factory audits - where applicable:

Manufacturing is monitored by way of periodic external auditing of the manufacturer's quality plan that is conformance with ISO 9001.

Requirement for the training and approval of Supervisors:

Sealco Limited has an ISO10015 based Supervisor Training Programme** which is subject to review and audit at least 12 monthly by (BEAL)

Requirement for the certificate-holder to have a Register of trained and approved Supervisors:

Sealco have a Register of Supervisors which is subject to review and audit at least 12 monthly

Warranty & maintenance info supplied:

Sealco provide a Warranty and Owner Maintenance document on completion of each project

Certificate-issuer QA qualifications and audit requirements:

Building Element Assessment Laboratory Ltd. is assessed annually for compliance against the requirements of the BEAL Product Compliance Certificate 'Scheme Rules' on an annual basis and against the requirements of ISO 17067 and ISO 17021 by an independent assessor.

Certificate-issuer Professional Indemnity statement:

Building Element Assessment Laboratory Ltd. has Professional Indemnity Insurance that covers the scope of work described in this certificate.

Notes:

- 1 - Please contact BEAL if further information is required.