



PCC-193519-NZ

Version 1.0
ISSUED: Aug 2019
EXPIRES: July 2024

A Product Compliance Certificate



Product: The MSA One Enclosure System
Certificate-holder: MSANZ Limited.



Product description:¹

The product is "intended to be used as a unified and integrated multiglazed glass enclosure system for the whole building, including: Walls, Doors and Windows (single, double and bi-folding), vertical sliding wall sections and connections to soffits".

Scope of Use & Limitation Statement:²

- an external environment above ground, with a (seismic) locality factor (Z) of up to 0.42 (Upper Hutt), in a temperate climate;
- MSA-ONE Enclosure Systems are suitable where the maximum wind zone is determined to be equal to or less than extra-high (55m/s) or where a specific design is employed. MSA-ONE systems are designed to be installed to the exterior of any building to a maximum height as follows:
 - Unsupported (single glass and frame vertical span); 5.0m
 - Supported (multiple level separate systems per/level); 30.0m .
- the system is limited to use in residential housing including Class 1 and Class 2 type construction. i.e. stand-alone houses and multi-apartment dwellings ;
- the system shall be installed in accordance with the technical and quality plan literature and supervised by those trained by MASNZ Limited.
- The PCC certificate shall be revalidated annually from the date of issuance.

Applicant:

MSA

MSANZ Limited
10 Old Kaipara Road
Warkworth, Auckland 0981.
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www.masnz.com

Issuer:

Building Element Assessment Laboratory Ltd.
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www.beal.co.nz



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Clauses for which compliance has been assessed by BEAL:³

Performance Clause B1.3.3 (h)
Performance Clauses B2.3.1 (b) and B2.3.2
Performance Clause E2.3.2
Performance Clause F2.3.1
Performance Clause H1.3.1

Note: since the system is not load bearing, compliance with clause B1.3.1 is not applicable.

Evidence relied upon including a buildability assessment:

For B1.3.3 (h) - Reports from kakariki Engineering Ltd dated 28 February 2017 and 11 April 2017
For B2.3.1 (b) and B2.3.2 - Report from C Prouse dated 2 Aug 2019
For E2.3.2 - BEAL Test Report TR160520-1 dated 3 June 2016
For F2.3.1 - Report from C Prouse dated February 2017
For H1.3.1 - Report from LDE dated 6 April 2017
For Buildability - Buildability Assessment Report 120918 dated 01 June 2016.⁴

Title & version of the current Technical & Installation Manual:

The MSA One Enclosure System Technical & Installation Manual ver 1.1 available from www.msanz.co.nz and the BEAL website www.beal.co.nz

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

The MSA One Enclosure System *BPQP ver 1.0

Requirement for factory audits - where applicable:

Manufacture of the MSA One Enclosure System is by the certificate-holder who has a quality plan (BPQP)

Requirement for the training and approval of Supervisors:

The MSANZ have a 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:

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

Warranty & maintenance info supplied:

MSANZ 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, 17065 and ISO 17021 by QMS www.qmsgroup.org

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.
- 2 - Please contact BEAL if further information is required.
- 3 - Please contact BEAL if further information is required.
- 4 - Please contact BEAL if further information is required.