

Certificate no: CMNZ70065

Version: 2

Original issue date: 06 October 2020

Version date: 30 May 2025

1. Certificate Holder Details



Loxo Cladding Systems NZ Ltd

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2. Product Certification Body

Bureau Veritas Australia Pty Ltd

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Complaints: The complaints process for this certificate can be found here:

www.bureauveritas.com.au/your-feedback

Sam Guindi – Bureau Veritas Product Certification Manager



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3. Description of Building Method or Product

Name of the product or method in Aotearoa New Zealand, including any brand names used. Description of what it is and the components that make up any system and its physical attributes including the materials and make-up of the product, where applicable. Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use. Continuation of description can be found in item 10 – Supporting Information about Description. [Delete if not applicable]. The building method's or building product's catalogue or model identification number or numbers or other unique identifiers that might be used to identify the building product or building method

The Loxo Cladding System consists of 50mm or 75mm-thick steel-reinforced Autoclaved Aerated Concrete (AAC) panels, 2200mm wide x 600mm high, mounted horizontally on H3.2 treated timber or high density expanded polystyrene (EPS) cavity battens and screw fixed to the external load-bearing wall. The Loxo Cladding System includes a plastered rendered coating to the exterior face of the panel.

4. Intended use of Building Method or Product

Intended use of the building method or product as described in the product manual and other instructional materials. A statement of the function or purpose of the building method or product. Continuation of intended use can be found in item 11 – Supporting Information about Intended use. [Delete if not applicable]

The Loxo Cladding System is a non-load-bearing external wall cladding fixed to battens on an external load-bearing wall.

5. New Zealand Building Code Provisions

The performance clauses of the New Zealand Building Code that are relevant to the intended use and with which the building method or product complies or contributes to (where used as part of a system).

How the building method or product complies or contributes can be found in item 8. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and Limitations of use.

B1 Structure: (Performance Clauses) B1.3.1, B1.3.2, B1.3.3(a, f, h, j, q), B1.3.4

B2 Durability: (Performance Clauses) B2.3.1(a), B2.3.2, B2.3.1(b),

C3 Fire affecting areas beyond the fire source: (Performance Clauses) C3.6 (contributes to), C3.7

E2 External moisture: (Performance Clauses) E2.3.2, E2.3.5, E2.3.7

F2 Hazardous building materials: (Performance Clause) F2.3.1



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6. Conditions and Limitations of Use

The building method or product's use is to be in accordance with the installation instructions and requirements against which the building method or product was assessed.

Conditions or limitations of conformity for the performance requirements the building method or product is compliant with, including any requirements for people with the qualifications and skills to install or use the building method or product, any known or demonstrated situations where the building method or product should not be used. A statement as to whether there are any matters that should be taken into account in the use or application of the building product or building method and, if so, what those matters are.

1. The Loxo Cladding System shall only be used on buildings that are:
 - a) timber-framed to NZS3604:2011 Timber framed buildings or steel-framed to NASH Standard Part 2: May 2019 Light Steel Framed Buildings, and
 - b) within the scope of Acceptable Solution E2/AS1 para 1.1, and with risk score not greater than 20, and
 - c) located in a wind zone up to and including Very High wind zone (as specified in NZS3604:2011), and
 - d) located in any seismic zone (as specified in NZS3604:2011), and
 - e) in any exposure zone (excluding microclimates) (as specified in NZS3604), and
 - f) in risk groups SH, SM, or VP (as defined in Acceptable Solution C/AS1 and Acceptable Solution C/AS2) without sprinklers, located any distance from a relevant boundary with the proviso that Loxo (VH) EPS Battens must not be used for the Loxo Boundary Fire Wall System located closer than 1m from a relevant boundary.
2. The Loxo Cladding System shall be installed:
 - a) on walls that are vertical, and
 - b) in accordance with the Loxo Cladding Systems Technical Manual, August 2020, by a tradesperson with an LBP (Carpentry) license and approved by Loxo and the reinforced render and coating system applied by an applicator with an LBP (External Plastering) license and approved by Loxo.
3. Where the Loxo Cladding System is used as a boundary fire wall it shall be designed and installed in accordance with the Loxo Cladding Systems Boundary Fire Walls Technical Manual, June 2018.
4. All joinery used in conjunction with the Loxo Cladding System shall meet the requirements of NZS 4211:2008 Specification for performance of windows and be installed with vertical jambs and horizontal heads and sills.

7. Health and Safety Information

Health, safety, and well-being declarations associated with installation, maintenance, and use of the building method or product, and their specific editions and dates necessary to ensure the performance requirements of clauses F1 to F9 of the Building Code can be met.

The compliance with any manufacturer's installation instructions, maintenance, OH & S statements, MSDS's and other Health and Safety declarations will provide the necessary Health and Safety Information pertaining to the product.



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8. Basis for Certification

How the performance requirements in the Building Code were met for each of the provisions. Where used as part of a system, the specific contribution to compliance.

B1 Structure - By analysis and comparison with Verification Method B1/VM1

B2 Durability - By analysis and comparison with Verification Method B2/VM1 and Acceptable Solution B2/AS1

C3 Fire affecting areas beyond the fire source - By testing and comparison with Verification Method C/VM2 and Acceptable Solutions C/AS1 and C/AS2

E2 External moisture - By testing and comparison with Verification Method E2/VM1 and Acceptable Solution E2/AS3

F2 Hazardous building materials - By comparison with Building Code performance requirement F2.3.1

9. Supporting Documentation for Certification

Reference to any acceptable solutions, verification methods, New Zealand Standards, or other compliance pathways referenced against each individual performance requirement the building method or product is compliant with, and their specific version and date. Reference to documents describing tests and evaluations and any other documents relied on for certification or used to prove compliance, including their full title, specific version and date.

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure First edition (Amendment 21), 2 November 2023.
2. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability, 2nd Edition (Amendment 12), 28 November 2019.
3. C1 - C6 Protection from Fire Acceptable Solution C/AS1 Protection from fire for buildings with sleeping (residential) and outbuildings (risk group SH) Second Edition, 2 November 2023.
4. C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire First edition (Amendment 3), 2 November 2023.
5. Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020.
6. CCANZ CP01:2014 Code of Practice for Weathertight Concrete and Concrete Masonry Construction, 1 January 2014
7. TM Consultants LOXO Wall Cladding Assessment, 19 Mar 2020.
8. Exova Warringtonfire Assessment Report No: 38259000 NASAHI Super50 AAC external and boundary wall systems to AS1530.4-2014 Revision R6.3 Issued 3 November 2021.
9. CSIRO Certificate of Test No. 2363A 172-mm thick Load-bearing Loxo Autoclaved Lightweight Aerated Concrete (AAC) panel wall system test to AS1530.4-2005.
10. Identifibre Report No. 33238-1-bsa, 12 December 2018.
11. Engenuity Consulting Engineers Report No. 18013001, 9 July 2018.
12. Ian Bennie and Associates Test Report No.2020-093-S2(amended) NASHI 50mm Wall System, February 2021.



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13. Sharp and Howells Report Test Report No. 19-0125B Testing of Reinforced Autoclaved Aerated Concrete Members to AS5146.2, 17 October 2019.
14. Loxo Cladding Systems Panel Systems Technical Manual, August 2020.
15. Loxo Cladding Systems Boundary Fire Walls Technical Manual, June 2018.
16. Masons Enviro 1 mm Sponge Render, July 2020.
17. Watty Specification Sheet GNZ3610.21 Granoshield Matt Low Profile, Version 8, 25 August 2021.
18. Watty Specification Sheet GNZ3413.21.2 GranoMarble Shield, Version 8, 25 August 2021.
19. Loxo AAC Panel Specification, August 2020.

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

N/A

11. Supporting Information About Intended Use (Optional)

Any supporting information for section 4.

N/A

12. Supporting Information About Conditions and Limitations of Use (Optional)

Any supporting information for section 6.

N/A

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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