

Certificate no: CMNZ70165

Version: 0

Original issue date: 21 October 2024

Version date: 21 October 2024

1. Certificate Holder Details



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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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Product Certificate

LumberTherm Horizontal and Vertical Cladding Systems

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 LumberTherm cladding system comprises vertically or horizontally fixed weatherboards installed over H3.2 treated timber castellated cavity battens to form a non-structural nominal 20mm cavity or structurally fixed 45 mm cavity. LumberTherm PureOak is a thermally modified Red Oak hardwood and is available with smooth, brushed or bandsawn faces in the following profiles:

- Bevelback profile weatherboard (for horizontal fixing)
- Rusticated profile weatherboard (for horizontal fixing)
- Shiplap profile Weatherboard (for vertical fixing)
- Board and Batten (for vertical fixing)

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]

LumberTherm Horizontal and Vertical Cladding Systems are external cladding systems direct fixed or on a nominal 20 mm or 45 mm drained and ventilated cavity.

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.

Clause B1 Structure: Performance Clauses B1.3.1, B1.3.2, B1.3.3 (h), B1.3.4

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

Clause E2 External moisture: Performance Clauses E2.3.2 (contributes to), E2.3.5 (contributes to), E2.3.6 (contributes to), E2.3.7

Clause F2 Hazardous building materials: Performance Clauses 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 LumberTherm Horizontal and Vertical Cladding Systems are certified for use on timber-framed buildings:
 - a) with walls designed:
 - i. in accordance with NZS3604:2011 Timber-framed buildings, as modified by Acceptable Solution B1/AS1 Amendment 20 and within the scope of Acceptable Solution E2/AS1, Third Edition including amendment 10 (5/11/2020) Paragraph 1.1, or of at least equivalent stiffness to the framing provisions of NZS3604:2011, and situated in Wind Zones (as defined in NZS 3604:2011) up to and including Extra High; or
 - ii. in accordance with Verification Method B1/VM1 Amendment 20 up to a maximum design differential ultimate limit state (ULS) wind pressure of 2.5 kPa;
 - b) up to 10 m in height, and
 - c) with a risk score of 0-20 (except as in Condition 2 (b) (ii) below), calculated in accordance with NZBC Acceptable Solution E2/AS1, Third Edition including amendment 10 (5/11/2020) Table 2, and
 - d) situated:
 - i. in all exposure zones (excluding microclimates) as defined in NZS3604:2011, Paragraph 4.2.4, and
 - ii. more than 1m from a relevant boundary;
2. The LumberTherm Horizontal and Vertical Cladding Systems shall:
 - a) be fixed over a flexible building underlay or rigid air barrier in accordance with Acceptable Solution E2/AS1 and the applicable Installation Guide and Profile document:
 - LumberTherm PureOak™ Bevelback installation and specification guide, Version 5, September 2024
 - LumberTherm PureOak™ Rusticated installation and specification guide, Version 5, September 2024
 - LumberTherm PureOak™ Vertical Shiplap installation and specification guide, Version 5, September 2024
 - LumberTherm PureOak™ Board and Batten installation and specification guide, Version 5, September 2024
 - LumberTherm PureOak™ Bevelback profiles, Version 2, September 2024
 - LumberTherm PureOak™ Rusticated profiles, Version 2, September 2024
 - LumberTherm PureOak™ Vertical Shiplap profiles, Version 2, September 2024
 - LumberTherm PureOak™ Board and Batten profiles, Version 2, September 2024
 - b) Either



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- i. incorporate a nominal 20 mm or 45 mm drained cavity formed by H3.2 radiata battens for weatherboards installed horizontally (Bevelback and Rusticated) and castellated H3.2 radiata battens for weatherboards fixed vertically (Vertical Shiplap and Board and Batten), or
- ii. may be direct fixed where the weatherboard profile is
 - 1) Bevelback or Board and Batten and the risk score is not greater than 12;
 - 2) Rusticated or Vertical Shiplap and the risk score is not greater than 6, and
- c) be fixed:
 - i. on vertical, flat surfaces, and
 - ii. and using stainless-steel fixings as specified, and
- d) only incorporate aluminium framed window and door joinery complying with NZS 4211:2008-Specification for performance of windows which shall 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.

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 comparison with Acceptable Solution E2/AS1

B2 Durability - By testing and comparison with Acceptable Solution B2/AS1 and referenced standard NZS 3602

E2 External moisture - By comparison with Acceptable Solution E2/AS1

F2 Hazardous building materials - By comparison with the performance requirements of Building Code Clause F2.3.1



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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 B2 Durability Second edition (Amendment 12), 28 November 2019
2. 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
3. NZS3602:2003 Timber and wood-based products for use in building
4. NZS 3617: 1979 Specification for profiles of weatherboards, fascia boards, and flooring
5. Scion Test Report Weather Board stiffness strength test and nail pull through test results, 20 November 2023
6. CATAS Test Report No. 327402 / 1, Inherent or enhanced durability of wood against wood-destroying basidiomycetes EN 113- 2:202, 7 July 2023
7. Safety Data Sheet Hardwood Lumber (all Species) - Solid Wood or Wood Dust, 298 October 2022
8. LumberTherm PureOak™ Board and Batten installation and specification guide, Version 5, September 2024
9. LumberTherm PureOak™ Vertical Shiplap installation and specification guide, Version 5, September 2024
10. LumberTherm PureOak™ Rusticated installation and specification guide, Version 5, September 2024
11. LumberTherm PureOak™ Bevelback installation and specification guide, Version 5, September 2024
12. LumberTherm PureOak™ Board and Batten profiles, Version 2, September 2024
13. LumberTherm PureOak™ Vertical Shiplap profiles, Version 2, September 2024
14. LumberTherm PureOak™ Rusticated profiles, Version 2, September 2024
15. LumberTherm PureOak™ Bevelback profiles, Version 2, September 2024

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

The following products comprise parts of the LumberTherm cladding system:

- Vertical Shiplap Weatherboards – LTO-51, LTO-52, LTO-53, LTO-54, LTO-55, LTO-56, LTO-57, LTO-58, LTO-59, LTO-60
- Horizontal Rusticated Weatherboards – LTO-67, LTO-68, LTO-69, LTO-230R
- Bevelback Weatherboards - LTO-230BB, LTO-215BB, LTO-190BB, LTO-142BB
- Vertical Board & Batten Weatherboards - LTO-182, LTO-65BAT, LTO-180BRD
- Exterior Mouldings - LTO-100IBC, LTO-100EBC, LTO-80RBC, LTO-65SCR, LTO-40SCR



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- Fasciaboards - LTO-13520FAS, LTO-18020FAS, LTO-23020FAS, LTO-13530FAS, LTO-18030FAS, LTO-23030FAS

Fixings and flashings are specified but supplied by others.

Refer to the applicable Profile document for details

- LumberTherm PureOak™ Bevelback profiles, Version 2, September 2024
- LumberTherm PureOak™ Rusticated profiles, Version 2, September 2024
- LumberTherm PureOak™ Vertical Shiplap profiles, Version 2, September 2024
- LumberTherm PureOak™ Board and Batten profiles, Version 2, September 2024

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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