CodeMark

Certificate no: CMNZ70165
Version: 2
Original issue date: 21 October 2024
Version date: 29 June 2026

Product Certificate

LumberTherm Horizontal and Vertical Cladding Systems

1. Certificate Holder Details

LumberBank

The Lumberbank New Zealand Ltd
322 Neilson Street, Onehunga, Auckland, 1061
New Zealand
sales@lumberbank.co.nz
Ph: +64 6222050
www.lumberbank.co.nz

2. Product Certification Body

Bureau Veritas Australia Pty Ltd
11/500 Collins Street
Melbourne VIC 3000 Australia
product.certification@bureauveritas.com
Ph: 1800 855 190
www.bureauveritas.com.au

Complaints: The complaints process for this certificate can be found here:
www.bureauveritas.com.au/your-feedback

Sam Guindi

Sam Guindi – Bureau Veritas Product Certification Manager

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. 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 Horizontal and Vertical Cladding Systems comprises vertically, or horizontally fixed weatherboards installed over H3.2 treated timber castellated cavity battens to form a non-structural nominal 20 mm cavity or structurally fixed 45 mm cavity.

LumberTherm PureOak is a thermally modified Red Oak hardwood, LumberTherm Kuro is a thermally modified Kwila (Merbau) hardwood and Lumbertherme Fermo® is a thermally modified Pinus Radiata softwood and are available with smooth, brushed or band sawn 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.

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.

B2 Durability: B2.3.1(b), B2.3.2

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

F2 Hazardous building materials: F2.3.1

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CodeMark

Product Certificate

LumberTherm Horizontal and Veritical Cladding Systems

BUREAU VERITAS

Certificate no: CMNZ70165
Version: 2
Original issue date: 21 October 2024
Version date: 29 June 2026

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 as modified by Acceptable Solution B1/AS1 and within the scope of Acceptable Solution E2/AS1 Subsection 1.1.1, or of at least equivalent stiffness to the framing provisions of NZS3604, and situated in Wind Zones (as defined in NZS 3604) up to and including Extra High; or;
      ii. in accordance with Verification Method B1/VM1 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 Acceptable Solution E2/AS1 Tables 3.1.2.1 and 3.1.3.1, and;
   d) situated:
      i. in all exposure zones (excluding microclimates) as defined in NZS3604 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

   - LMB001 LumberTherm PureOak A4 Brochure CM Version 2, December 2025.
   - LMB002 Pure Oak A4 Bevelback Guide CM Version 1, December 2025.
   - LMB002 Pure Oak A4 Board and Batten Guide CM Version 1, December 2025.
   - LMB002 Pure Oak A4 Rusticated Guide CM Version 1, December 2025.
   - LMB002 Pure Oak A4 Vertical Shiplap Guide CM Version 1, December 2025.
   - LMB003 Pure Oak A4 Coatings & Maintenance CM Version 1, December 2025.
   - LMB004 PureOak Profile & Construction Drawings Bevelback CM Version 2, December 2025.
   - LMB004 PureOak Profile & Construction Drawings Board and Batten CM Version 2, December 2025.
   - LMB004 PureOak Profile & Construction Drawings Rusticated CM Version 2, December 2025.
   - LMB004 PureOak Profile & Construction Drawings Vertical Shiplap CM Version 2, December 2025.

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CodeMark

Product Certificate

LumberTherm Horizontal and Veritical Cladding Systems

BUREAU VERITAS

Certificate no: CMNZ70165
Version: 2
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LumberTherm Kuro

- LMB014 Kuro A4 Brochure CM Version 1, December 2025.
- LMB015 Kuro Bevelback Guide CM Version 1, December 2025.
- LMB015 Kuro A4 Board and Batten Guide CM Version 1, December 2025.
- LMB015 Kuro A4 Rusticated Guide CM Version 1, December 2025.
- LMB015 Kuro A4 Vertical Shiplap Guide CM Version 1, December 2025.
- LMB018 Kuro A4 Coatings & Maintenance CM Version 1, December 2025.
- LMB043 Kuro Profile & Construction Drawings Bevelback CM Version 1, December 2025.
- LMB043 Kuro Profile & Construction Drawings Board and Batten CM Version 1, December 2025.
- LMB043 Kuro Profile & Construction Drawings Rusticated CM Version 1, December 2025.
- LMB043 Kuro Profile & Construction Drawings Vertical Shiplap CM Version 1, December 2025.

LumberTherm Fermo®

- LMB030 Fermo A4 Brochure CM Version 1, April 2026.
- LMB031 Fermo A4 Coatings & Maintenance CM Version 1, April 2026
- LMB032 Fermo A4 Bevelback Guide CM Version 1, April 2026.
- LMB032 Fermo A4 Board and Batten Guide CM Version 1, April 2026.
- LMB032 Fermo A4 Rusticated Guide CM Version 1, April 2026.
- LMB032 Fermo A4 Vertical Shiplap Guide CM Version 1, April 2026.
- LMB033 Fermo Profile & Construction Drawings Bevelback CM Version 1, April 2026.
- LMB033 Fermo Profile & Construction Drawings Board and Batten CM Version 1, April 2026.
- LMB033 Fermo Profile & Construction Drawings Rusticated CM Version 1, April 2026.
- LMB033 Fermo Profile & Construction Drawings Vertical Shiplap CM Version 1, April 2026.

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b) Either
   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.

B2 Durability - By comparison with Acceptable Solution B2/AS1 and Standard NZS3602 referenced and modified by the Building Product Specifications

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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CodeMark

Product Certificate

LumberTherm Horizontal and Veritical Cladding Systems

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Certificate no: CMNZ70165
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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 Solution B2/AS1 Durability provisions for building elements, Third edition, 28 July 2025.
2. Acceptable Solution E2/AS1 External moisture provisions for timber-framed buildings up to 10 m in height, Fourth edition, 28 July 2025.
3. Building Product Specifications, First Edition, Amendment 1, 2 April 2026.
4. NZS3602:2003 Timber and wood-based products for use in building.
5. NZS3604:2011 Timber-framed buildings.
6. NZS 3617: 1979 Specification for profiles of weatherboards, fascia boards, and flooring.
7. AS 5604—2005: Timber—Natural durability ratings.
8. Scion Test Report Weather Board stiffness strength test and nail pull through test results, 20 November 2023.
9. Scion Test Report, Weather Board stiffness strength test and nail pull through test results, 1 September 2024.
10. CATAS Test Report No. 327402 1, Inherent or enhanced durability of wood against wood-destroying basidiomycetes EN 113- 2:202, 7 July 2023.
11. Bioeconomy Science Institute letter re: Durability of thermally modified radiata pine 21st May 2026
12. Safety Data Sheet Hardwood Lumber (all Species) - Solid Wood or Wood Dust, 29 October 2022.
13. LMB030 Fermo A4 Brochure CM Version 1, April 2026.
14. LMB031 Fermo A4 Coatings & Maintenance CM Version 1, April 2026.
15. LMB032 Fermo A4 Bevelback Guide CM Version 1, April 2026.
16. LMB032 Fermo A4 Board and Batten Guide CM Version 1, April 2026
17. LMB032 Fermo A4 Rusticated Guide CM Version 1, April 2026.
18. LMB032 Fermo A4 Vertical Shiplap Guide CM Version 1, April 2026.
19. LMB033 Fermo Profile & Construction Drawings Bevelback CM Version 1, April 2026.
20. LMB033 Fermo Profile & Construction Drawings Board and Batten CM Version 1, April 2026.
21. LMB033 Fermo Profile & Construction Drawings Rusticated CM Version 1, April 2026.
22. LMB033 Fermo Profile & Construction Drawings Vertical Shiplap CM Version 1, April 2026.
23. LMB001 LumberTherm PureOak A4 Brochure CM Version 2, December 2025.
24. LMB002 Pure Oak A4 Bevelback Guide CM Version 1, December 2025.
25. LMB002 Pure Oak A4 Board and Batten Guide CM Version 1, December 2025.
26. LMB002 Pure Oak A4 Rusticated Guide CM Version 1, December 2025.

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27. LMB002 Pure Oak A4 Vertical Shiplap Guide CM Version 1, December 2025.
28. LMB003 Pure Oak A4 Coatings & Maintenance CM Version 1, December 2025.
29. LMB004 PureOak Profile & Construction Drawings Bevelback CM Version 2, December 2025.
30. LMB004 PureOak Profile & Construction Drawings Board and Batten CM Version 2, December 2025.
31. LMB004 PureOak Profile & Construction Drawings Rusticated CM Version 2, December 2025.
32. LMB004 PureOak Profile & Construction Drawings Vertical Shiplap CM Version 2, December 2025.
33. LMB014 Kuro A4 Brochure CM Version 1, December 2025.
34. LMB015 Kuro Bevelback Guide CM Version 1, December 2025.
35. LMB015 Kuro A4 Board and Batten Guide CM Version 1 - Dec 2025.
36. LMB015 Kuro A4 Rusticated Guide CM Version 1, December 2025.
37. LMB015 Kuro A4 Vertical Shiplap Guide CM Version 1, December 2025.
38. LMB018 Kuro A4 Coatings & Maintenance CM Version 1, December 2025.
39. LMB043 Kuro Profile & Construction Drawings Bevelback CM Version 1, December 2025.
40. LMB043 Kuro Profile & Construction Drawings Board and Batten CM Version 1, December 2025.
41. LMB043 Kuro Profile & Construction Drawings Rusticated CM Version 1, December 2025.
42. LMB043 Kuro Profile & Construction Drawings Vertical Shiplap CM Version 1, December 2025.

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: LT-51, LT-52, LT-53, LT-54, LT-55, LT-56, LT-57, LT-58, LT-59, LT-60.
- Horizontal Rusticated Weatherboards: LT-67, LT-68, LT-69, LT-230R.
- Bevelback Weatherboards: LT-230BB, LT-215BB, LT-190BB, LT-142BB.
- Vertical Board & Batten Weatherboards: LT-100BAT, LT-65BAT, LT-180BRD.
- Exterior Mouldings: LT-100IBC, LT-40ICM, LT-65SCR, LT-40SCR, LT-100EBC, LT-80RBC, LT-30BC, LT-50BC.
- Fasciaboards: LT-13520FAS, LT-18020FAS, LT-23020FAS, LT-13530FAS, LT-18030FAS, LT-23030FAS.

Fixings and flashings are specified but supplied by others.

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Refer to the applicable Profile document for details:

LumberTherm PureOak

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- LMB002 Pure Oak A4 Board and Batten Guide CM Version 1, December 2025.
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- LMB004 PureOak Profile & Construction Drawings Vertical Shiplap CM Version 2, December 2025.

LumberTherm Kuro

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- LMB015 Kuro A4 Rusticated Guide CM Version 1, December 2025.
- LMB015 Kuro A4 Vertical Shiplap Guide CM Version 1, December 2025.
- LMB018 Kuro A4 Coatings & Maintenance CM Version 1, December 2025.
- LMB043 Kuro Profile & Construction Drawings Bevelback CM Version 1, December 2025.
- LMB043 Kuro Profile & Construction Drawings Board and Batten CM Version 1, December 2025.
- LMB043 Kuro Profile & Construction Drawings Rusticated CM Version 1, December 2025.
- LMB043 Kuro Profile & Construction Drawings Vertical Shiplap CM Version 1, December 2025.

LumberTherm Fermo®

- LMB030 Fermo A4 Brochure CM Version 1, April 2026.
- LMB031 Fermo A4 Coatings & Maintenance CM Version 1, April 2026
- LMB032 Fermo A4 Bevelback Guide CM Version 1, April 2026.

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- LMB032 Fermo A4 Board and Batten Guide CM Version 1, April 2026.
- LMB032 Fermo A4 Rusticated Guide CM Version 1, April 2026.
- LMB032 Fermo A4 Vertical Shiplap Guide CM Version 1, April 2026.
- LMB033 Fermo Profile & Construction Drawings Bevelback CM Version 1, April 2026.
- LMB033 Fermo Profile & Construction Drawings Board and Batten CM Version 1, April 2026.
- LMB033 Fermo Profile & Construction Drawings Rusticated CM Version 1, April 2026.
- LMB033 Fermo Profile & Construction Drawings Vertical Shiplap CM Version 1, April 2026.

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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