

Certificate no: CM70031

Version: 2

Original issue date: 03 September 2019

Version date: 09 August 2023

1. Certificate Holder Details



Juken New Zealand 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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Product Certificate

J-Frame

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

J-Frame is structural Laminated Veneer Lumber (LVL) gauged framing timber produced from *Pinus radiata*.

J-Frame available sizes are 90x45, 140x45, 190x45, & 240x45 (mm). Two strength grades are produced: J-Frame 8 and J-Frame 11.

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]

J-Frame may be specified in building work designed in accordance with NZS3604:2011 Timber-framed buildings (as modified by B1/AS1 Amendment 20), or shall be specifically engineered in accordance with NZS3603:1993 Timber Structures Standard and AS/NZS 1170:2002 Structural Design Actions) (as modified by B1/VM1 Amendment 20), and where hazard class H1.2 or less applies.

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 (a, b, f, g, h & q), B1.3.4

Clause B2 Durability: Performance Clauses B2.3.1(a)

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. J-Frame has been certified for use in buildings:
 - a. where Hazard Class H1.2 or less applies and
 - b. where the J-Frame is
 - i. specified and installed in accordance with NZS3604:2011 Timber-framed buildings (as modified by B1/AS1 Amendment 20), or
 - ii. specifically engineered in accordance with NZS3603:1993 Timber Structures Standard and AS/NZS1170:2002 Structural Design Actions (as modified by B1/VM1 Amendment 20).
2. J-Frame shall be designed and installed in accordance with the JNL J-Frame Design & Installation Guide V4 2023.
3. The installer shall refer to Recommended Procedure for Testing Moisture Content of J-Frame LVL -December 2018 when establishing compliance with E2.3.6. (Refer to JNL website <https://www.jnl.co.nz/download/188/>).

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, SDS'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 testing and comparison with Verification Method B1/VM1

B2 Durability - By testing and comparison with Acceptable Solution B2/AS1

F2 Hazardous building materials - By testing and 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.

- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure First edition (Amendment 20), 29 November 2021
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
- NZS3604:2011 Timber framed buildings
- NZS3640:2003 Chemical Preservation of Round and Sawed Timber
- AS/NZS1170:2002 Structural Design Actions
- NZS3603:1993 Timber Structures Standard
- Responsible Wood Letter Review of JNL LVL Preservation Treatment Standard - July 2019
- AsureQuality letter Penetration Testing for LVL, 18 August 2014
- Australasian Wood Preservation Committee Protocols for Assessment of Wood Preservatives, September 2015
- SCION Report TE20-069 240x45 Finger-jointed LVL8 Qualification Testing, April 2021
- SCION Report TE16-033, JUKEN Finger Jointed SG8 and SG10 LVL Testing to AS/NZS4063:2010, October 2016
- SCION Test Report The decay resistance of LVL framing with a boron glueline and surface treatment -The condition of samples after three years exposure - October 2016 to October 2019, December 2019
- EWPAAs Letter Approval of J-Frame 8 and J-Frame 11 LVL, 13 July 2023
- EWPAAs Product Certification for Juken New Zealand Ltd. Masterton, Mill Number:921 Issued 125 July 2023
- JNL Safety Data Sheet J-Frame - Boron Treated, v2 1 August 2023
- Recommended Procedure for Testing Moisture Content of J-Frame LVL, December 2018
- JNL J-Frame Design & Installation Guide V4, 2023
- JNL LVL GL Preservation Treatment Standard Version 3 June 2023.



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10. Supporting Information About Description (Optional)

Any supporting information for section 3.

- The manufacture of J-Frame is certified by the EWPA as a Special Product in accordance with AS/NZS4357.0:2022 (Structural laminated veneer lumber specifications). J-Frame is supplied treated in accordance with the JNL LVL GL Preservation Treatment Standard June 2023.
- The characteristic properties (values) of J-Frame are above the minimum of MSG8 in respect of J-Frame 8 and above the minimum of MSG10 for J-Frame 11 as documented in table 2.3, NZS3603:1993 (Timber Structures Standard).
- For design characteristic properties, see the JNL J-Frame Design & Installation Guide.

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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