

Certificate no: CM70038

Version: 4

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Version date: 20 June 2023

## 1. Certificate Holder Details



### The Lumberbank New Zealand Ltd

322 Neilson Street, Onehunga, Auckland 1061  
New Zealand

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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](http://www.bureauveritas.com.au/your-feedback)



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VERITAS**

# Product Certificate

## The Lumberbank New Zealand Ltd LumberworX I-Beams

### 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*

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

LumberworX I-Beams (LIB) are I-Beams consisting of an LVL flange and a web made of either Strand board or treated Orientated Strand Board (OSB). This certificate covers the following models:

- LIB 200.88s
- LIB 240.88s
- LIB 300.88s
- LIB 360.88s

### 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.

LumberworX I-Beams are structural members for use as floor joists, rafters, purlins and ceiling joists.

### 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). eg Clause B2 – DURABILITY Performance B2.3.1

*How the building method or product complies or contributes can be found in item 9. 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) B 1.3.4

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

**Clause F2 Hazardous building materials:** Performance Clauses F2.3.1



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# Product Certificate

The Lumberbank New Zealand Ltd – LumberworX I-Beams



## 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.

NOTE: Together, items 3,4,5 and 6 define scope of use

1. LumberworX I-Beams are certified for use:
  - a. in specific design to Verification Method B1/VM1, and
  - b. in non-specific design for floor joists and rafters for specified design conditions using the span tables in the LumberworX LIB88s Design and Construction Guide: Issue 14 - May 2023, and
  - c. where the level of timber treatment specified by Acceptable Solution B2/AS1 and referenced Standard NZS3602:2003 Timber and wood-based products for use in building is not greater than H1.2.
  
2. LumberworX I-Beams shall:
  - a. be designed and installed in accordance with the LumberworX LIB88s Design and Construction Guide: Issue 14 - May 2023, and
  - b. shall not be exposed to the weather for more than 8 weeks

## 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. Signatures

Name and Signature of the Product Certification Body's (PCB) authorised representative and, where different, the person assigned by the PCB to make the certification decision.

Sam Guindi  
Product Certification Manager

For and on behalf of  
Bureau Veritas Australia Pty Ltd



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## 9. 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 comparison with the performance requirements of Building Code Clause F2.3.1

## 10. 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 19), 28 November 2019
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
- Lignum Structural Ltd report Ref1340 Structural Review of JR Design Group "Qick Design" software for New Zealand, 7 December 2011
- AR & JA Drysdale Ltd Report Lumberworx I-Beams H1.2 Hazard Class
- MSDS Nelson Pine LVL, May 2012
- SCION OSB Panel shear test, 22 February 2016
- SCION I-beam Testing Results, 8 June 2023
- Constructure Structural Engineering Check on spans produced by design software, 17 March 2016
- Tests Of Experimental Framing Treatments for Osmose New Zealand - The Condition Of Simulated Wall Units After 432 Weeks Exposure, Dave Page, Jackie Van Der Waals And Mick Hedley, Scion, April 2010
- SCION Test Report, I-Beam test results, 23 August 2022
- LumberworX LIB88s Design and Construction Guide - Issue 14, May 2023



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The Lumberbank New Zealand Ltd – LumberworX I-Beams



### 11. Supporting Information About Description (Optional)

Any supporting information for section 3.

N/A

### 12. Supporting Information About Intended Use (Optional)

Any supporting information for section 4.

N/A

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

Any supporting information for section 6.

N/A

