



PRODUCT CERTIFICATE

Lumberworx I-Beams



BUREAU
VERITAS

CERTIFICATE NO: CM70038 Rev1

Date of issue: 23 April 2021

1 CERTIFICATE HOLDER DETAILS

Lumberworx Ltd
5 Hickory Place
Islington, Christchurch 8042
New Zealand

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Ph: 03 349 0515
www.lumberworx.co.nz



2 PRODUCT CERTIFICATION BODY

Bureau Veritas Australia Pty Ltd
3/435 Williamstown Road
Port Melbourne VIC 3207
Australia

Ph: 1800 855 190
www.bureauveritas.com.au

Bureau Veritas Australia Pty Ltd

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

KEY INFORMATION

3 SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT

Lumberworx I-Beams (LIB) are I-Beams consisting of an LVL flange and strand board webs. This certificate covers the following models:

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

Continuation of description can be found in item 9. Supporting Information about Description of Building Product or Method.
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.

4 SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT

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

Continuation of intended use can be found in item 8. Supporting Information about Intended use of Building Product or Method.

5 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).

B1 Structure: B1.3.1, B1.3.2, B1.3.3 (a, b, f, g, h, q), B 1.3.4
B2 Durability: B2.3.1 (a), B2.3.2
F2 Hazardous Building Materials: F2.3.1

How the building method or product complies or contributes can be found in item 12. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. The Ministry does not in any way warrant, guarantee, or represent that the building method or product that is the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. The Ministry disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages, and costs arising as a result of the use of the building method(s) or product(s) referred to in this certificate.

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CERTIFICATE V1.3



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6 CONDITIONS AND LIMITATIONS 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 12 – May 2019, 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 12 – May 2019
 - b) not be exposed to the weather for more than 8 weeks.

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

7 HEALTH AND SAFETY INFORMATION

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

Sam Guindi
Product Certification Manager

For and on behalf of
Bureau Veritas Australia Pty Ltd

Denis Morgan
Director

For and on behalf of
Lumberworx Ltd



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SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

9 SUPPORTING INFORMATION ABOUT DESCRIPTION

Further details regarding the description of the product can be found in Lumberworx LIB88s Design and Construction Guide Issue 12, May 2019.

10 SUPPORTING INFORMATION ABOUT INTENDED USE

Further details regarding the use of the product can be found in Lumberworx LIB88s Design and Construction Guide Issue 12, May 2019.

11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

N/A



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12 BASIS FOR CERTIFICATION

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

13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure 1st Edition (Amendment 19), 28 November 2019
2. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause B2 Durability (Amendment 12), 28 November 2019
3. Lignum Structural Ltd report Ref1340 Structural Review of JR Design Group "Qick Design" software for New Zealand, 7 December 2011
4. AR & JA Drysdale Ltd Report Lumberworx I-Beams H1.2 Hazard Class
5. MSDS Nelson Pine LVL, May 2012
6. SCION OSB Panel shear test, 22 February 2016
7. SCION I-beam Testing Results, 12 January 2016
8. Constructure Structural Engineering Check on spans produced by design software, 17 March 2016
9. LumberworX LIB88s Design and Construction Guide - Issue 12, May 2019

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14 CONDITIONS RELATING TO NOTIFICATION

- (a) the certificate holder notifies the product certification body (Bureau Veritas) in writing of any intended change to any of the following particulars:
- (i) the name, address, or contact details of the certificate holder;
 - (ii) any address of a location where a certified product is produced or manufactured;
- (b) the certificate holder notifies the product certification body (Bureau Veritas) in writing of any intended change, modification, or alteration to any of the following:
- (i) the certified building method or product;
 - (ii) the method of its production or manufacture;
 - (iii) the product quality plan prepared in respect of the certified building method or product;
 - (iv) the application or installation instructions for the certified building method or product;
 - (v) any documentation relating to the use and maintenance of the certified building method or product;
- (c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body (Bureau Veritas) in writing of the reason for that suspicion:
- (d) if the certificate holder or the product certification body (Bureau Veritas) finds that a certified building method or product that has been released on the market does not comply with the Building Code, the certificate holder discloses that fact in disclosure statements published in a form that is acceptable to the product certification body and to the chief executive:
- (e) if the certificate is suspended or revoked, the certificate holder—
- (i) notifies all customers to whom the building method or product is regularly supplied; and
 - (ii) immediately ceases using the certificate, the mark of conformity, and any reference to the number of the certificate.