

Structurally efficient I section joist, a combination of an OSB web & LVL flange.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



IBuilt confirms that this minimum level of assurance has been met or exceeded by the following:

The Building Business Limited

[Product Assurance Supplier Statement - 19099](#)

Technical Statement

Product Description

IBuilt's timber I-Beams are unique combination of timber resources, components and advanced technology forming a structurally efficient "I" section. Manufactured by Louisiana Pacific (LP), IBeams are produced using high performance LVL flanges and 9.5mm structural OSB webs.

All components are assembled using only durable, exterior grade adhesives. IBeams are available untreated or treated to H3.1 (LOSP) from stock.

Advantages: Dimensional stability, lightweight, long spanability, elimination of mid-span blocking in floor joists.

Applications: Floor joists, Rafters.

Section sizes: 225x70, 240x70, 300x53, 300x 70and 356x70

Available lengths: 1.2M up to 12.0M in 0.3 increments.

Scope of use

In conjunction with timber or lightweight steel framing that complies with the NZ Building Code, or for existing buildings, where the designer and/or installer have established that the existing structure is suitable for the intended building work. In accordance with I-Beam span tables or to the requirements of NZS 3604 as referenced in and amended by B1/AS1 Within the building envelope where hazard class H3.1 or less applies. Fixing material to be in accordance with section 4, NZS 3604:2011

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3, B1.3.3(a), B1.3.3(b), B1.3.3(f), B1.3.3(j), B1.3.3(m), B1.3.3(q), B1.3.4, B1.3.4(a), B1.3.4(b), B1.3.4(c), B1.3.4(d)
- **Clause B2 Durability:** Performance B2.3.1, B2.3.1(a)
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Notes

For information on the design, installation and maintenance of I-Beams and for the warranty refer to www.ibuilt.co.nz

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

IBuilt IBeams meet the following New Zealand Building Code clauses as detailed in the PASS (Product Assurance Supplier Statement)

B1 Structure

B2 Durability

F1 Hazardous Goods.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



The Building Business Limited

[Product Assurance Supplier Statement - 19099](#)

masterspec partner

Company Contact Details



Company: New Zealand Wood Products Limited

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Use in Service History

IBuilt Beams have been supplied by New Zealand Wood Products Ltd to the NZ Building construction industry for over 12 years.

Product Criteria

Design requirements

IBUILT™ supplies insecticide-treated I-Beams (I-Joists) for use as joist and rafter framing in buildings, and located where the I-Beam is entirely contained within the external envelope and where it is protected from exposure to moisture.

Installation requirements

Qualified Builder to comply with NZ Building Standards. Refer to IBuilt Design and Installation Guide.

Maintenance requirements

B1 Structure

B1.3.1 B1.3.2 B1.3.3 (a, b, f, j, m, q)

B1.3.4 (a, b, c, d, e)

B2 Durability B2.3.1(a) B2.3.2(a)

F2 Hazardous Building Materials F2.3.1

Company Product Information

Environmental

PEFC Certified Product PEFC certification includes requirements for traceability and handling of PEFC certified timber. A product carrying the PEFC label means it has originated from a forest certified by a PEFC endorsed scheme and has been handled by PEFC certified organisations. NZWOOD provide a range of I-Beams and engineered timber products that are PEFC certified. Our supplier of I-Beams is Louisiana Pacific Corporation and our supplier for engineered beams is Hyne Pty Australia.



Date last validated: **01 September 2022**



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