

I-Joists made from timber flanges and an OSB web for use as residential joists and rafters.

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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 - 19284](#)



The following information has been provided by IBuilt demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 1

Product Description

IBuilt's JJ I-Joist offer superior value, strength and reliability and are perfect for flooring or roofing applications.

I-Joist's are fast to install, light weight and available in long lengths up to 12 metres. The OSB web allows the ability to cut large holes which provide better access for ducting, plumbing and cabling.

JJ-IJoist is manufactured from Scots pine (top and bottom flanges) and oriented strand board (webs), which are bonded together with an exterior grade Purbond adhesive. After manufacture, the beams are boron-treated with Koppers FramePro for use in hazard class H1.2 applications. They are available in two sizes, 240x72mm and 300x72mm.

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-Joist span tables or to the requirements of NZS 3604 as referenced in and amended by B1/AS1 Within the building envelope where hazard class H1.2 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(q), B1.3.4, B1.3.4(a), B1.3.4(b), B1.3.4(c), B1.3.4(d)

Structural properties reviewed in accordance with ASTM D5055 and appropriate for use in specific design [Scion, 19/04/2024; James Jones & Sons Ltd, 11/2023].

Structural review by Lignum Structural as consistent with NZ Building Code requirements and appropriate for use in specific design in accordance with NZS 3603:1993 [Lignum Structural Limited, 05/06/2024].

European Technical Assessment ETA 20/1175 of JJ-IJoist [Elements Materials Technology Rotterdam B.V, 15/12/2020].

Certificate of constancy of performance of manufacturing with ETA 20/1175 [Materials Testing Institute, University of Stuttgart, 05/08/2022

- **Clause B2 Durability:** Performance B2.3.1, B2.3.1(a), B2.3.2(a)
FramePro treatment of JJ-IJoists delivers sufficient boron to meet NZS 3640 H1.2 durability requirements by independent review [Harry Greaves Consulting, 23/04/2024; IVS Labs, 08/03/2024, 13/03/2024; Scion, 05/2010]
- **Clause F2 Hazardous building materials:** Performance F2.3.1
Use in accordance with the supplier's safety instructions [IBUILT,01/2024].

Notes



masterspec partner

Company Contact Details



Company: New Zealand Wood Products Limited

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Website: <http://nzwoodproducts.co.nz/>

For information on the design, installation and maintenance of I-Joists 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:

JJ-IJoists meet the following New Zealand Building Code clauses as detailed in the PASS (Product Assurance Supplier Statement)

B1 Structure

B2 Durability

F2 Hazardous Building Materials.

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 - 19284](#)

Use in Service History

James Jones & Sons Ltd is a 5th generation family business and one of the UK's largest and most progressive timber processing companies with core activities across the whole timber industry. They operate from 25 sites across the UK, and 13 sites in Australasia and employ over 2,100 people. Their Timber Systems Division was launched over 20 years ago and has grown to become the UK's largest manufacturer of certified I-Joists.

Product Criteria

Design requirements

IBUILT™ supplies boron-treated I-Joists (I-Beams) for use as joist and rafter framing in buildings, and located where the I-Joist 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

FSC helps take care of forests for future generations.

NZWOOD provide a range of IJoists and engineered timber products that are PEFC or FSC certified. Our supplier of IJoists is James Jones & Sons and our supplier for engineered beams is Hyne Pty Australia.

Building Product Information Requirements

Manufacturer

Legal Trading Name:

James Jones & Sons Ltd

Contact Number/s:

+64 09-2686540

0800022352

Importer

Legal Trading Name:

New Zealand Wood Products Limited

Business Email:

enquiries@nzwoodproducts.co.nz

Company Website:

<http://nzwoodproducts.co.nz/>

Contact Number/s:

+64 09-2686540

0800 022352

Product Identifier

IJ30072 OR IJ24072

Warnings

This product has no warnings associated with it.



Date last validated: **29 August 2024**



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