

## PROLAM BEAMS

### PURPOSE

Prowood Ltd supplies Prolam laminated H1.2 and H3.2 treated beams (Prolam Beams) for use as structural members in buildings.

### PROLAM BEAMS EXPLAINED

Prolam Beams are glue laminated, branded with the prefix PL and manufactured from NZ grown Pinus Radiata and Douglas Fir.

The manufacturing of Prolam Beams is third-party certified by AsureQuality.

Structural performance is to AS/NZS 1328 part 2 or AS 1720.1:2010.

They are available in visual and non-visual grades.

Prolam Beams are supplied in a range of:

- sizes,
- structural grades, PL8 and PL12,
- appearance grades, visual and non-visual,
- treatment levels, H1.2 (boron) and H3.2 (CCA).



For further assistance please contact:

☎ 03 526 7436

✉ info@prowoodnz.com

🌐 [www.prolamnz.com](http://www.prolamnz.com)



### SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<b>Building</b> As a direct substitute to SG8 and SG12 (or other equivalent) as referenced in Section 8 NZS 3604:2011; or specifically engineered to NZS 3603:1993 or AS/NZS 1170:2002 (set).	<ul style="list-style-type: none"> <li>➤ Prolam beams must not be ripped where this would result in a reduction of width or thickness. Structural performance on the width and thickness remaining unchanged.</li> <li>➤ Fixing material to be in accordance with section 4, NZS 3604:2011.</li> </ul>
In applications appropriate to the hazard class to which the supplied Prolam beams are treated.	<ul style="list-style-type: none"> <li>➤ Prolam beams must be separated from exposed uncured concrete and concrete that continues to be exposed to moisture.</li> </ul>
In applications where Building Code clauses in relation to fire apply.	<ul style="list-style-type: none"> <li>➤ The use of Prolam beams is subject to specific design by a fire engineer.</li> </ul>

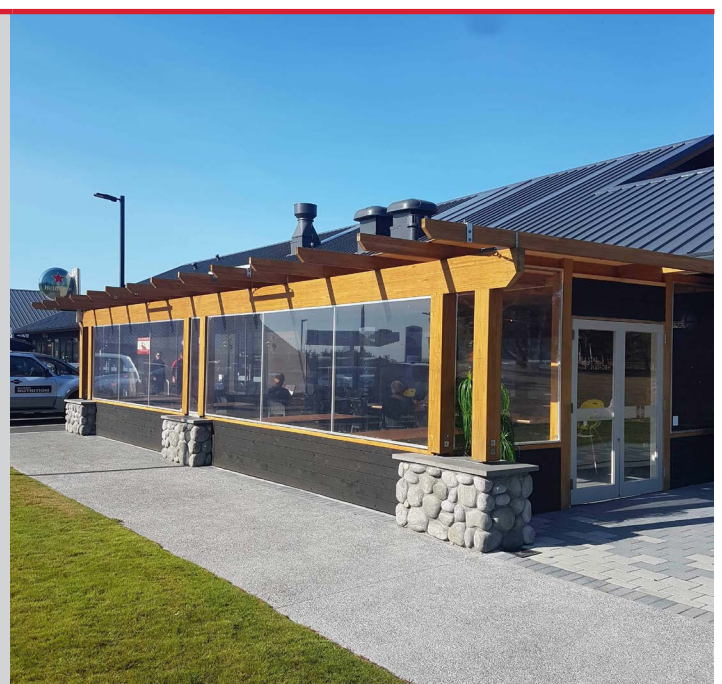
### USEFUL INFORMATION

For information on the design, installation and maintenance of Prolam beams, and for our warranty, refer to [www.prolamnz.com](http://www.prolamnz.com).

### OTHER CERTIFICATIONS HELD BY PROWOOD LTD

The following certifications and approvals are held by Prowood Ltd.

- Certificate of Registration of Preservative Treatment & Allocated Brand (Timber Treatment Plant Registration Authority);
  - 709 11 H1.2, 614 11 H1.2,
  - 709 01 H3.2, 709 90 H3.2.
- AsureQuality Engineered Wood Products Programme Reg: AEWPO5/03 exp 3/7/2020





## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all of Prowood Ltd requirements, Prolam beams will comply with or contribute to compliance with the following performance claims..

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement <sup>1</sup>	Demonstrated by
<b>B1 Structure</b> B1.3.1 B1.3.2 B1.3.3 (a, b, f, j, m, q) B1.3.4 (a, b, c, d, e)	ACCEPTABLE SOLUTION B1/AS1: NZS 3604:2011, clause 2.3.9.3.	<ul style="list-style-type: none"> <li>› NZS 3604:2011, clause 2.3.9.3 requires glue laminated timber to be manufactured in accordance with AS/NZS 1328 (Parts 1, 2).</li> <li>› Prowood Ltd third party certified, AsureQuality Engineered Wood Products Programme: AS/NZS 1328:1998 (parts 1, 2).</li> <li>› AsureQuality is JAS-ANZ accredited.</li> </ul>
<b>B2 Durability</b> B2.3.1(a) B2.3.2(a)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>› AS/NZS1604.5, clause 1.9 requires the same characteristic values for penetration and retention as defined in NZS 3640:2003.</li> <li>› Registered by Timber Preservers Association of Australia H1.2 (boron)</li> </ul>
<b>C6 Protection from Fire</b> C6.2 C6.3 C6.4	ALTERNATIVE SOLUTION NZS 3603:2011, clause 9.4.2.	<ul style="list-style-type: none"> <li>› NZS 3603:1993, clause 9.4.2 specifies charring rate of radiata pine and other timber species of approximately the same density to be taken as 0.65 mm/min.</li> <li>› APA Evaluation of Char Rate (ASTM E119), TT-118 January 2015.</li> <li>› Glued laminated timber elements have a fire performance comparable to solid wood members of equivalent size; Timber Industry Federation New Zealand Timber Design Guide 2007.</li> </ul>
<b>F2 Hazardous Building Materials</b> F2.3.1	ALTERNATIVE SOLUTION.	<ul style="list-style-type: none"> <li>› Subject to Prowood treatment protocol and Prowood health and safety plan.</li> <li>› In applications where Building Code clauses in relation to fire apply.</li> </ul>

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

## SOURCES OF INFORMATION<sup>2</sup>

The following information was relied upon to prepare this pass.

- › ICC-ES and APA Joint Evaluation Report ESR-1225 Pacific Woodtech Corporation PWI Joists 10/17.
- › IVS Timber Testing Report 39361 19/11/18.
- › IVS Labs Analysis Report R32568 Boron Preservative in Timber 5/12/18.

2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards.

Scan or click this QR code for a full download of Compliance Documentation for this pass™.

[www.prolamnz.com/technical/product-data-specifications/](http://www.prolamnz.com/technical/product-data-specifications/)



**VERSION:**  
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**DATE:**  
.....

*Note: Uncontrolled in printed format.*

**NAME:**  
.....

John Woodman

**POSITION:**  
.....

Managing Director

Signed on behalf of Prowood Ltd:

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.



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