

PROLAM BEAMS

PURPOSE

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

EXPLANATION

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

The manufacture and treatment of Prolam beams is third-party certified by Bureau Veritas (BV) and branded with the prefix PL.

They are available in visual and non-visual grades.

Prolam Beams are supplied in a range of:

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

Prowood NZ is registered by the Timber Preservation Association of Australia in respect of H1.2 and H3.2 treatment protocols.



For further assistance please contact:

☎ 03 526 7436

✉ info@prowoodnz.com

🌐 www.prolamnz.com



SCOPE AND LIMITATIONS OF USE

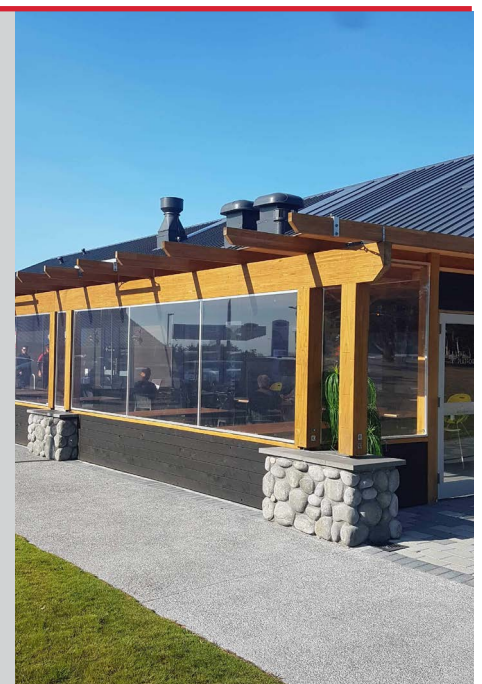
Scope	Limitations
<p>Building</p> <p>As a direct substitute to SG8 and SG12 (or other equivalent) as referenced in Section 8 NZS 3604:2011, or specifically engineered to NZS 3603:1993 or AS/NZS 1170:2002 (set).</p>	<ul style="list-style-type: none"> ➤ Prolam beams must not be ripped where this would result in a reduction in the number of lamina; dimensional stability and strength relies on the width and thickness remaining unchanged. ➤ Fixing material to be in accordance with section 4, NZS 3604:2011. ➤ Where NZ Building Code Clause C3 applies, the use of Prolam beams is subject to specific design by a fire engineer.
<p>In applications appropriate to the hazard class to which the supplied Prolam beams are treated.</p>	<ul style="list-style-type: none"> ➤ Prolam beams must be separated from exposed uncured concrete and concrete that continues to be exposed to moisture.

USEFUL INFORMATION

For information on the installation and maintenance of Prolam Beams and for our warranty refer to: www.prolamnz.com/technical/

OTHER CERTIFICATIONS AND APPROVALS HELD BY PROWOOD NZ LTD

- Bureau Veritas 'S' Mark Licence [31/07/2020]. AS/NZS 1238.1:1998 Glue laminated structural timber. Licence no. 2942, 2931 .
- Bureau Veritas 'S' Mark Licence [31/07/2020]. AS 5068:200 (R2016). Timber – Finger joints in structural products. Licence no. 2943, 2932.
- Bureau Veritas (BV) 'S' Mark Licence [31/07/2020]. NZS 3640:2012 Chemical preservation of round and sawn timber. Licence no. 2944.
- Certificate of Registration of Preservative Treatment & Allocated Brand Timber Treatment Plant Registration Authority;
 - 709 01 H3.2 (09/07/2020), 709 89 H3.2 (09/07/2020), 709 90 H3.2 (09/07/2020)
 - 709 11 H1.2 (09/07/2020), 614 11 H1.2 (09/07/2020).





PERFORMANCE CLAIMS

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

NZ Building Code clauses		BASIS OF COMPLIANCE	
Code clauses	Compliance statement ¹	Demonstrated by	
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)	ACCEPTABLE SOLUTION B1/AS1 NZS 3604:2011, cl. 2.3.9.2.	<ul style="list-style-type: none"> ➤ NZS 3604:2011, cl. 2.3.9.3 requires glue laminated timber to be manufactured in accordance with AS/NZS 1328 (Part 1). ➤ Prowood third party certified to meet all applicable standards to meet this requirement. BV 'S' Mark License no.293, 2942. [31/07/2020]. 	
B2 Durability B2.3.1(a) B2.3.2(a)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> ➤ AS/NZS1604:2012, clause 1.9 requires same characteristic values for penetration and retention as defined in NZS 3640:2003. ➤ Prowood third party certified, BV 'S' Mark License no. 2944. [30/07/2020]. 	
C6 Structural Stability C6.2 (a) C6.3	VERIFICATION METHOD B1/VM1 NZS 3603:1993	<ul style="list-style-type: none"> ➤ Specification to NZS 3603:1993, section 9. <i>Design of Fire Resistance</i>. 	
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION. NZTPC Best Practice Guideline for the Safe Use of Timber Preservatives & Anti-sapstain Chemicals. Establishes drying and flash off requirements.	<ul style="list-style-type: none"> ➤ Prowood third party certified, BV 'S' Mark License no. 2944. [30/07/2020]. 	

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 INFORMATION²

The following information was relied upon to prepare this pass.

- ICC-ES and APA Joint Evaluation Report ESR-1225 [06/2020]. *Pacific Woodtech Corporation PWI Joists*. www.icc-es.org/wp-content/uploads/report-directory/ESR-1225.pdf. [accessed 18/08/2020].
- IVS [19/11/18]. *AS/NZS 1605.1:2018 Methods for sampling and analysing timber preservatives and preservative-treated timber. Part 1: General requirements, sampling, and determination of sapwood and heartwood presence*. Report 39361.
- IVS [19/11/18]. *AS/NZS 1605.2:2018 Methods for sampling and analysing timber preservatives and preservative-treated timber Part 2: Determination of preservative penetration by spot test*. Report 39361.

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.

- IVS [5/12/18]. *Boron Preservative in Timber*. Labs Analysis Report R32568.
- Bureau Veritas 'S' Mark Licence [31/07/2020]. *AS/NZS 1238.1:1998 Glue laminated structural timber*. Licence no. 2942, 2931.
- Bureau Veritas 'S' Mark Licence [31/07/2020]. *AS 5068:200 (R2016). Timber – Finger joints in structural products*. Licence no. 2943, 2932.
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Scan or click this QR code for a full download of Compliance Documentation for this pass™.
www.prolamnz.com/technical/



VERSION:
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DATE:
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Note: Uncontrolled in printed format.

NAME:
.....

John Woodman

POSITION:
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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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