

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:

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🌐 www.prolamnz.com



SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Building 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"> > 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 Building Code obligations with respect to protection from fire apply, the use of Prolam beams is subject to specific design by a fire engineer.
In applications appropriate to the hazard class to which the supplied Prolam beams are treated.	<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 2931 for manufacture to AS/NZS 1328.1:1998 [31/07/2020a].
- > Bureau Veritas 'S' Mark Licence 2932 for manufacture to AS 5068:2006 [31/07/2020b].
- > Bureau Veritas 'S' Mark Licence 2942 for manufacture to AS/NZS 1328.1:1998 [31/07/2020c].
- > Bureau Veritas 'S' Mark Licence 2943 for manufacture to AS 5068:2006 [31/07/2020d].
- > Bureau Veritas 'S' Mark Licence 2944 for manufacture to AS 5068:2006 [31/07/2020e].





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	
	Compliance statement	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	<ul style="list-style-type: none"> ➤ NZS 3604:2011, clause 2.3.9.3 requires glue laminated timber to be manufactured in accordance with AS/NZS 1328.1. ➤ Third party certification for manufacture to AS/NZS 1328.1:1998 and AS 5068:2006 [Bureau Veritas, 31/07/2020a, 31/07/2020b, 31/07/2020c, 31/07/2020d]. 	
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. ➤ Third party certification for treatment to NZS 3640:2003 [Bureau Veritas, 31/07/2020e]. 	
C6 Structural Stability C6.2 C6.3	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> ➤ Specification to section 9 of NZS 3603:1993. 	
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"> ➤ Third party certification for treatment to NZS 3640:2003 [Bureau Veritas, 31/07/2020e]. 	

SOURCES OF INFORMATION

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. [19/11/2018]. *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. [19/11/2018]. *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.
- IVS. [5/12/2018]. *Boron Preservative in Timber*. Labs Analysis Report R32568.
- Bureau Veritas. [31/07/2020a]. 'S' Mark Licence. Licence no. 2931.
- Bureau Veritas. [31/07/2020b]. 'S' Mark Licence. Licence no. 2932.

- Bureau Veritas. [31/07/2020c]. 'S' Mark Licence. Licence no. 2942.
- Bureau Veritas. [31/07/2020d]. 'S' Mark Licence. Licence no. 2943.
- Bureau Veritas. [31/07/2020e]. 'S' Mark Licence. Licence no. 2944.

Scan or click this QR code for a full download of Compliance Documentation for this pass™.
www.prolamnz.com/technical/



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
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.
3. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™.

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that this pass has been prepared on behalf of Prowood and in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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Prowood confirms that if Prolam Beams are used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14 G of the Building Act.

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