

PROLAM LAMINATED H3.2 POSTS

PURPOSE

Prolam glue laminated H3.2 posts are supplied as a grade PL8 structural member. The post can be supported on a structural bracket above ground.

EXPLANATION

Prolam H3.2 posts are manufactured from N.Z. grown Pinus Radiata. The laminates are glued with resorcinol adhesive.

Prolam H3.2 posts are supplied in:

- > a range of sizes
- > structural grade PL8
- > appearance grades A & C
- > treatment hazard class H3.2 (CCA)

Prolam lamina are individually treated prior to lamination and finishing. This is to ensure each lamina achieves the same penetration and retention as solid lumber treated under NZS 3640:2003.

The manufacture of Prolam H3.2 posts are third-party certified by AsureQuality to AS/NZS 1328 part 2 or AS 1720.1:2010 (but branded with the prefix PL). Prowood NZ is registered by the Timber Preservation Association of Australia in respect of the CCA treatment protocol.



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>In accordance with NZS3604:2011 or specifically engineered to NZS 3603:1993 and AS/NZS 1170:2002.</p>	<ul style="list-style-type: none"> > Prolam H3.2 posts 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 H3.2 posts is subject to specific design by a fire engineer

USEFUL INFORMATION

For information on the design, installation and maintenance of Prolam H3.2 posts and for our warranty refer to www.prolamnz.com.

OTHER CERTIFICATIONS AND APPROVALS HELD BY PROWOOD NZ

The following certifications and approvals are held by Prowood Ltd.

- > AsureQuality Engineered Wood Products Programme (AEWP) Reg no: AEWP05/Certificate No: 03, 3/7/2017.
- > Certificate of Registration of Preservative Treatment & Allocated Brand, 709 01 H3.2, 708 90 H3.2.





PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Prowood Ltd requirements, the Prolam H3.2 posts will comply with or contribute to compliance with the following performance claims:

N.Z. Building Code clauses	BASIS OF COMPLIANCE ¹	
	Compliance statement	Demonstrated by
B1 Structure	ACCEPTABLE SOLUTION	
B1.3.1	B1/AS1:	› NZS 3604:2011, clause. 2.3.9.3 requires glue laminated timber to be manufactured in accordance with AS/NZS 1328 (Parts 1, 2)
B1.3.2	NZS 3604:2011, clause 2.3.9.3.	› Prowood Ltd third party certified, AsureQuality Engineered Wood Products Programme: AS/NZS 1328:1998 (Parts 1, 2)
B1.3.3 (a, b, f, j, m, q)	AS/NZS 1170.2002 (set)	› AsureQuality is JAS-ANZ accredited
B1.3.4 (a, b, c, d, e)		
B2 Durability	VERIFICATION METHOD	
B2.3.1(a) B2.3.2(a)	B2/VM1: Clause 1.3 Verification through comparison with similar material.	› AS/NZS1604.5, clause 1.9 requires the same characteristic values for penetration and retention as defined in NZS 3640:2003 › Registered by Timber Preservers Association of Australia (CCA) › Subject to Prowood treatment protocol to AS/NZS 1604.5:2012 and NZS 3640:2003
C Protection from Fire	ALTERNATIVE SOLUTION	
C6.3	NZS 3603:2011, clause 9.4.2.	› 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 › APA Evaluation of Char Rate (ASTM E119), TT-118 January 2015 › Glue laminated timber elements have a fire performance comparable to solid wood members of equivalent size; Timber Industry Federation New Zealand Timber Design Guide 2007
C6.4		
F2 Hazardous Building Materials	ALTERNATIVE SOLUTION.	
F2.3.1	NZTPC <i>Best Practice Guideline for the Safe Use of Timber Preservatives & Anti-sapstain Chemicals</i> . Establishes drying & flash off requirements.	› Subject to Prowood treatment protocol and Prowood health and safety plan › TBB audited manufacturing/treatment process

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

- › AS/NZS 1328:1998 (parts 1, 2) *Glued laminated structural timber*
- › NZS 3603:1993 *Timber structures*
- › NZS 3604:2011 *Timber-framed buildings*
- › NZS 3640:2003 *Chemical preservation of round and sawn timber*
- › AS/NZS 1604.5:2012 *Specification for preservative treatment Part 5; Glue laminated timber products*



VERSION:
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DATE:
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Note: Uncontrolled in printed format.

NAME:
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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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