

IBUILT™ H5 GLUE LAMINATED POSTS

PURPOSE

IBUILT™ H5 glue laminated posts (IBUILT™ H5 posts) are supplied for use as structural and non-structural posts. Their installation can be founded on a structural bracket or in a concrete foundation.

EXPLANATION

IBUILT™ H5 posts are structural GL8 glue laminated posts manufactured from H5 (CCA treatment) treated, NZ grown Pinus radiata lamina.

The posts are available in a range of dimensions and lengths.

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Building	
Designed and installed in accordance with NZS 3604:2011 or specifically engineered to NZS 3603:1993.	<ul style="list-style-type: none"> › Section 4 of NZS 3604:2011 must be used for the selection of structural brackets, subject to the NZS 3604:2011 exposure zones. › The dimensional stability and strength of the post rely on the width and thickness of the post. Therefore, the dimension of the post must not be changed where this would result in a reduction of the width and/or thickness.
Above ground applications.	<ul style="list-style-type: none"> › The post must be attached to a structural bracket that will resist all applied loads.
Below ground applications.	<ul style="list-style-type: none"> › Where installed below ground, the in-ground portion of the post must be sealed and the post: <ul style="list-style-type: none"> • seated on a punch pad of 100 mm, and • fully encased in concrete with a minimum 100 mm side cover.

CONDITIONS OF USE

- › Posts must be sealed with a moisture-resistant coating within 14 days of installation. This includes the portion of the post that is to be in-ground.
- › The coating must consist of an oil based alkyd primer and two topcoats.



For further assistance please contact:

☎ 0800 022 352

✉ enquiries@nzwoodproducts.co.nz

🌐 www.nzwoodproducts.co.nz



USEFUL INFORMATION

For information on the design, installation and maintenance of IBUILT™ H5 glue laminated posts and for our warranty refer to www.nzwoodproducts.co.nz.

OTHER CERTIFICATIONS AND APPROVALS HELD BY THE MANUFACTURER

North Sawn Lumber as manufacturer of the H5 posts holds the following:

- › Grade Right NZ Ltd. [23/07/2020] *Membership of the Grade Verified QA Programme and the compliance of Northsawn Lumber with this Programme, NZS3622 and the Timber Grading SOP document.*
- › Grade Right NZ Ltd. [n.d.] *Treat Right QA Programme Membership Certificate (valid to 31/03/2022).*

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all IBUILT™ requirements, the IBUILT™ H5 glue laminated posts will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement ¹	Demonstrated by
B1 Structure	ACCEPTABLE SOLUTION B1/AS1: NZS 3604:2011, clause 2.3.9.3 VERIFICATION METHOD B1/VM1: AS/NZS 1328.1:1998, NZS 3622:2004.	<ul style="list-style-type: none"> Manufactured in accordance with AS/NZS 1328.1:1998, AS 5068-2006 and NZS 3622:2004 [NorthSawn Timber, ND; Grade Right NZ Limited, 23/07/2020]. NZS 3604:2011, cites AS/NZS 1328.1:1998, NZS 3622:2004.
B2 Durability	ACCEPTABLE SOLUTION B2/AS1	<ul style="list-style-type: none"> North Sawn Lumber is part of the Grade Right timber treatment programme. Manufactured and treated in accordance with NZS 3640:2003 the “Standard Operating Procedures (SOP) for Timber Treatment Plants and Treatment Auditors “ [Grade Right NZ, ND].
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> North Sawn Lumber is part of the Grade Right timber treatment programme. Treatment process in accordance with New Zealand Timber Preservation Council Best Practice Guidelines.

SOURCES OF INFORMATION²

- Grade Right NZ Ltd. [23/07/2020] *Membership of the Grade Verified QA Programme and the compliance of Northsawn Lumber with this Programme, NZS3622 and the Timber Grading SOP document.*
- Grade Right NZ Ltd. [n.d.] *Treat Right QA Programme Membership Certificate.*
- Grade Right NZ Ltd. [01/09/2020] *Grade Verified Audit Report. NZS 3622:2004 Verification of Timber Properties.*
- Grade Right NZ Ltd. [08/07/2020] *Grade Verified Laminating Audit Report. AS/NZS 1328.1:1998 and NZS 3622:2004.*
- NorthSawn Timber. [n.d.] *Glue laminated Timber – Beams and Posts.*
- NZTPC. [September 2005] *Best Practice Guideline for the Safe Use of Timber Preservatives & Anti-sapstain Chemicals.*



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

www.nzwoodproducts.co.nz/products/type/glue-laminated-lumber/



- Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
- 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.
- 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™.

NZ Wood Ltd confirms that if IBuilt H5 Glulam posts 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.

Date of first issue: 24/11/2020

Date of current issue: 30/11/2022

NZBN: 9429034720325

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that this pass has been prepared on behalf of NZ Wood Ltd 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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