

PROLAM SMARTFRAME LVL15 LAMINATED VENEER LUMBER

PURPOSE

Prowood Ltd supplies Prolam Smartframe LVL15 (Smartframe) for use as structural timber beams and studs in buildings.

PROLAM SMARTFRAME EXPLAINED

Smartframe is laminated veneer lumber manufactured from Douglas Fir. It is manufactured to AS/NZS 4357:2005 under an SAIGlobal StandardsMark licence. It is supplied boron treated to H1.2 and is supplied in the following finished dimensions.

- › Widths (mm): 90, 120, 140, 190, 240, 290
- › Depth (mm): 45 mm
- › Stock lengths (m): 3.6, 4.8, 5.4, 6.0, and 7.2

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Building To the requirements of NZS 3604:2011 or NZS 3603:1993, and in accordance with Smartframe span tables. Within the building envelope.	<ul style="list-style-type: none"> › Where the use falls outside the scope of the Smartframe span tables, its use must be specifically engineered. › Smartframe must not be exposed to the environment for more than 90 days. › Where the Smartframe is to be left exposed or used in a moisture laden environment it must be protected with an impervious coating.
In applications where NZ Building Code Clause C3 obligations for Fire affecting areas beyond the source apply.	<ul style="list-style-type: none"> › The use of Smartframe must be specifically designed by a fire engineer.



For further assistance please contact:

- ☎ 03 526 7436
- ✉ info@prowoodnz.com
- 🌐 www.prolamnz.com



USEFUL INFORMATION

For information on the design, installation and maintenance of Smartframe, and for our warranty, refer to 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



PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with the all Prowood Ltd requirements, Smartframe 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 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 2.3.9.2.	<ul style="list-style-type: none"> › NZS 3604:2011, clause 2.3.9.2 requires LVL to be manufactured in accordance with AS/NZS 4357. › Smartframe manufactured to AS/NZS 4357:2005 under SAIGlobal StandardsMark licence. › SAIGlobal is JAS-ANZ accredited.
B2 Durability B2.3.1(a) B2.3.2(a)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> › AS/NZS1604.4:2012, clause 1.9 requires same characteristic values for penetration and retention as defined in NZS 3640:2003. › In accordance with Prowood treatment protocol to AS/NZS 1604.4:2012 and NZS 3640:2003. › Passed IVS Labs penetration and retention testing of LVL samples to AS/NZS 1605:2018, parts 1 and 2.
C6 Protection from Fire C6.2 C6.3 C6.4	ALTERNATIVE SOLUTION NZS 3603:2011, clause 9.4.2.	<ul style="list-style-type: none"> › 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.
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION.	<ul style="list-style-type: none"> › In accordance with Prowood treatment protocol and Prowood health and safety plan. › Prowood treatment process subject to third party certification (CodeMark BRANZ-CM-1018).

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.

- › SAIGlobal StandardsMark Licence Certificate Number SMKB25220 Tilling Timber Pty Ltd.
- › 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/



VERSION:

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Note: Uncontrolled in printed format.

NAME:

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POSITION:

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DATE:

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John Woodman

Managing Director

Signed on behalf of Prolam 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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