

TECHLAM LAMINATED POSTS AND BEAMS

PURPOSE

Techlam Laminated Posts and Beams (including rafters and lintels) are structural building elements for use in light timber-framed construction.

EXPLANATION

Techlam Laminated Posts and Beams frames are manufactured from pre-treated, rough sawn, kiln-dried timber (Radiata Pine, Douglas fir or other species).

Their manufacture is third party certified, by Bureau Veritas (BV), to the relevant NZ standards.

- AS/NZS 1328:1998 (Part 1). *Glued Laminated Structural Timber*
- AS 5068. *Timber Finger Joints in Structural Products.*

They are manufactured from timber CCA treated to hazard class H3.2. The treatment is carried out by others who are third-party certified.

The posts and beams are available in the following grades:

- appearance: A, B, C
- structural: GL8, GL10 and GL12.

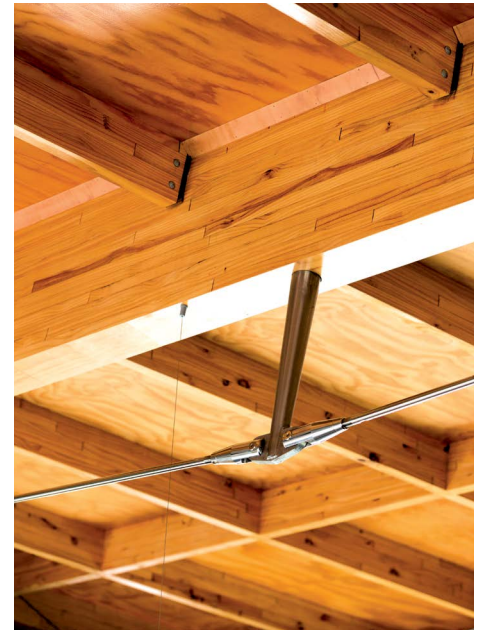
Beams (including rafters and lintels) are available in 3 standard widths and a range of depths from 135 mm to 585 mm.

Posts (round & square) are available in two ranges: Techlam EziPost® and Techlam Premium Post. Both are available in sizes from 88 mm x 88 mm to 270 mm x 270 mm.

See the Techlam™ selection tables for the complete standard range.

Techlam laminated posts and beams are supplied with one coat of temporary sealer applied.

See the Techlam selection tables for the complete standard range.



For further assistance please contact:

- ☎ 0800 832 452
- ✉ info@techlam.co.nz
- 🌐 www.techlam.nz



SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In all locations.	<ul style="list-style-type: none"> ➤ Subject to specific engineering design, or selected from the Techlam engineered span tables. ➤ Fixing materials are to be in accordance with NZS 3604:2011, section 4.0.
Building In all buildings where the relevant part of the building complies with the NZ Building Code (NZBC), or in existing buildings, where the designer/engineer is satisfied that the existing building is suitable for the intended building work.	<ul style="list-style-type: none"> ➤ Fixing materials are to be in accordance with NZS 3604:2011, section 4.0. ➤ Fabricated connections to be in accordance with AS/NZS1170.2:2002. ➤ Where specific fire performance is required, the posts and beams must be specified in conjunction with a Fire Engineer.

USEFUL INFORMATION

For information on the installation and maintenance of Techlam Laminated Posts and Beams and for our warranty refer to: www.techlam.co.nz/downloads.

OTHER CERTIFICATIONS AND APPROVALS HELD BY TECHLAM

- Bureau Veritas 'S' Mark Licence [31/07/2020]. AS/NZS 1238.1:1998 *Glue laminated structural timber*. Licence no. 2929.
- Bureau Veritas 'S' Mark Licence [31/07/2020]. AS 5068:200+ (R2016). *Timber – Finger joints in structural products*. Licence no. 2930.
- Licensed FANZ/Expan Fabricators. Licence no: FAN0011
- FSC® *Chain of Custody Certification* No. SGS-COC-010729-FSC-C130502

CONDITIONS OF USE

- › The specification and installation of Techlam laminated posts and beams must be carried out by (or supervised by) a Licensed Building Practitioner (LBP) with a relevant license class and with access to all relevant technical documentation.
- › The posts and beams must be stored, handled and installed in accordance with all Techlam requirements.
- › Within 14 days of delivery to site, the posts and beams (including any cuts, knots, holes and rebates), must be re-sealed and top coated with a minimum two coat system.
- › Dark stains and coatings with a Light Reflectance Value (LRV) of 45% or lower are not recommended.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with the all Techlam requirements, the Techlam Laminated Posts and Beams will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE ¹	
	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)	VERIFICATION METHOD B1/VM1 ACCEPTABLE SOLUTION B1/AS1	› Engineering Span tables to AS/NZS 1170:2002. › Manufactured to AS/NZS 1328:1998 and AS 5068:2006. BV 'S' Mark License 2929, 2930 [31/03/2020].
B2 Durability B2.3.1(a) B2.3.2(a)	ACCEPTABLE SOLUTION B2/AS1	› Lamina treated to NZS 3640:3002 prior to lamination.
C6 Structural Stability C6.2 (a) C6.3	VERIFICATION METHOD B1/VM1 NZS 3603:1993	› 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.	› Techlam makes this claim in reliance of the treatment supplier's third party certification.

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

- › Bureau Veritas 'S' Mark Licence [31/07/2020]. AS/NZS 1238.1:1998 *Glue laminated structural timber*. Licence no. 2929.
- › Bureau Veritas 'S' Mark Licence [31/07/2020]. AS 5068:200+ (R2016). *Timber – Finger joints in structural products*. Licence no. 2930.

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.techlam.nz/downloads



VERSION: **DATE:**

Note: Uncontrolled in printed format.

NAME: Brett Hamilton

POSITION: General Manager

Signed on behalf of Techlam® NZ:

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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