

TECHLAM GLULAMINATED POSTS

PURPOSE

Techlam glulamined posts are supplied for use as structural and non-structural posts. They are supplied treated to H1.2 (boron), H3.2 and H5 (CCA).

EXPLANATION

Techlam glulamined posts are manufactured from pre-treated, rough-sawn, kiln-dried timber (Radiata Pine, Douglas fir or other species).

Pre-manufacture treatment is carried out by treatment providers, all of whom are third party certified.

Manufacture by Techlam is third party certified, by Bureau Veritas (BV), to.

➤ AS/NZS 1328:1998 (Part 1). Glued Laminated Structural Timber

➤ AS 5068.2006 (R2016). Timber Finger Joints in Structural Products.

The posts are available in the following grades:

➤ appearance: A, B, C

➤ structural: GL8, GL10 and GL12.

Posts (round and 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 glulamined posts are supplied with factory applied coat of temporary sealer.



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 exposure zones as defined in NZS 3604:2011.	➤ Fixings must be in accordance with section 4 of NZS 3604:2011.
In all wind zones as defined in NZS 3604:2011 and in all wind design ULS pressures.	➤ Where the design ULS exceeds 2.1 kPa, specification is subject to specific engineering.
In all seismic zones.	➤ Where the ground is subject to ground instability or liquefaction, the post foundation must be subject to specific engineering.
Building	
In all buildings where the relevant part of the building complies with the NZ Building Code, or in existing buildings, where the designer/engineer is satisfied that the existing building is suitable for the intended building work.	
Installed above ground as a direct substitute to SG8, SG 10 and SG 12 (or other equivalent) as referenced in section 8 NZS3604:2011 or where specifically engineered to NZS 3603:1993.	➤ Where the specifications fall outside NZS 3604:2011, fabricated connections must be in accordance with AS/NZS 1170.2:2000. ➤ Techlam glulamined posts must not be ripped where this would result in a reduction in the number of lamina. ➤ The treatment level must be appropriate to the hazard class applicable to the use of the post. ➤ Where the post is to be coated, the paint must have a minimum LRV 45%. ➤ Where fire related building code obligations apply, the specification of the Techlam glulamined post is subject to specific fire engineering.
As inground structural posts as a direct substitute to SG8, SG10 and SG12 (or other equivalent) as referenced in sections 6 and 8 of NZS 3604:2011 or where specifically engineered to NZS 3603:1993.	➤ Techlam glulamined posts must be treated to H5. ➤ For posts with minimum dimensions of 135 x 135 mm and that are within the scope of NZS 3604:2011, dimensions of footings and fixings may be specified in accordance with NZS 3604:2011. ➤ Where the specifications fall outside NZS 3604:2011, fabricated connections must be in accordance with AS/NZS 1170.2:2000. ➤ The in ground portion of the post must be encased in minimum 17.5 MPa concrete and coated with a suitable protective coating prior to installation. ➤ Techlam glulamined posts must not be ripped where this would result in a reduction in the number of lamina. ➤ Where the post is to be coated, the paint must have a minimum LRV 45%. ➤ Where fire related Building Code obligations apply, the specification of the Techlam glulamined posts is subject to specific fire engineering.

USEFUL INFORMATION

For information on the design, installation and maintenance of Techlam glulamined posts and for our warranty refer to www.techlam.co.nz/downloads.

OTHER CERTIFICATIONS AND APPROVALS HELD

- Licensed FANZ/Expan Fabricators. Licence no: FAN0011
- FSC Chain of Custody Certification No. SGSHK-COC-510001-FSC-C130502.

PERFORMANCE CLAIMS

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

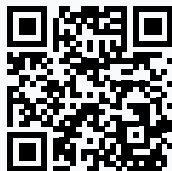
NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a, b, f, j, m, q), B1.3.4	VERIFICATION METHOD B1/VM1 and ACCEPTABLE SOLUTION B1/AS1	<ul style="list-style-type: none"> Manufactured to AS/NZS 1328:1998 and AS 5068:2006 (Reconfirmed 2016) under Bureau Veritas 'S' Mark License 2929, 2930 in accordance with paragraph 2.3.9.3 of NZS 3604:2011, which references AS/NZS 1328.1 [Bureau Veritas, 31/07/2020]. Engineering opinion confirming use of Techlam glulamined posts as a direct substitute for NZS 3604:2011 solid timber piles [PTL, 17/03/2023].
B2 Durability B2.3.1 (a), B2.3.2 (b)	ACCEPTABLE SOLUTION B2/AS1	<ul style="list-style-type: none"> Lamina treated in accordance with NZS 3640:2002 prior to lamination by third-party treatment providers.
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Treatment by third-party treatment providers in accordance with NZTPC Best Practice Guideline for the Safe Use of Timber Preservatives & Anti-sapstain Chemicals. Installed Techlam glulamined posts do not emit harmful materials.

SOURCES OF INFORMATION

- Bureau Veritas. [31/07/2020]. 'S' Mark License. AS/NZS 1328.1:1998 Glue laminated structural timber. Licence no. 2929.
- Bureau Veritas. [31/07/2020]. 'S' Mark License. AS/NZS 1328.1:1998 Glue laminated structural timber. Licence no. 2929.
- SGS. [31/05/2021] FSC Chain-of-Custody. Certificate SGSHK-COC-510001. FSC-C130502.
- PTL. [17/03/2023] Use of Techlam glue laminated piles to comply with NZS 3604:2011.

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

www.techlam.nz/downloads



- 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™.

Techlam confirms that if the Techlam glulamined posts are used in accordance with the requirements of this pass™ the product will comply with the 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: 31/01/2023

Date of current issue: 11/04/2023

NZBN: 9429041616406



Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that this pass has been prepared on behalf of the Techlam 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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