TECHLAM PINUS TAEDA GLULAM PRODUCTS

BPIR DECLARATION

Version 1.1 March 2025

DESIGNATED BUILDING PRODUCT: Class 2

DECLARATION

Techlam Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022. See Regulations.

COMPANY DETAILS

Name	Techlam Ltd
Role	Manufacturer & supplier
NZBN	9429041616406
Address	35 – 39 Tiro Tiro Rd, Levin, 5510
Website	www.techlam.co.nz
Email	sales@techlam.co.nz
Phone	0800TECHLAM (0800 832 452)

DESCRIPTION OF BUILDING PRODUCT

Techlam manufacture glulaminated products from pre-treated, rough-sawn, Pinus Taeda (Loblolly Pine). It is supplied to the market for use as

- beams
- posts, and
- tongue & groove flooring.

When used in building work Techlam glulaminated products contribute to building work in respect of B1 (structure), B2(durability) and C2-6 (Fire).

Treatment is carried out by third party certified treatment plants to NZS3640:2003. The glulaminated products are then manufactured to

- AS/NZS 1328:1998 (Part 1). Glued Laminated Structural Timber, and
- AS 5068.2006 (R2016). Timber Finger Joints in Structural Products.

Techlam's manufacturing is third party certified to these standards by Bureau Veritas.

The products are offered in a range of standard sizes, different appearances as well as manufactured to customer-specific requirements. Depending on use, the products can be supplied untreated, treated to H1.2 (boron), H3.2 (CCA) or H5 (CCA) with structural properties described by GL8, GL10 or GL12.

SCOPE OF USE & LIMITATIONS

Scope	Limitation
In all wind zones as defined in NZS 3604:2011 and all design wind pressure as determined by engineer calculations.	Where design wind pressure exceeds 2.1kPa, design must be to NZS3603:1998 or AS/NZS1720:2022. Techlam span tables may be relied upon.
In all exposure zones as defined in NZS 3604:2011.	All fixings are to comply with E2/AS1 (table 20 and 24) and table 4, NZS 3604.
In all seismic zones.	
Any proximity to a relevant boundary.	Where located within 1 metre of a relevant design must be subject to specific fire engineering.

Scope (continues)	Limitation (continues)
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.	
As a direct substitute to SG8, SG10 and SG12 (or other equivalent) as referenced in section 6 & 8 NZS3604:2011 or where specifically engineered to NZS 3603:1993.	• Fabricated connections must be in accordance with AS/NZS 1170.2:2000 with fixing materials in accordance with section 4 NZS 3604:2011. • Techlam glulaminated products must not be ripped where this would result in a reduction in the number of lamina. • Where fire related building code obligations apply, the specification of the Techlam glulaminated product is subject to specific fire engineering. • The treatment level must be appropriate to the hazard class applicable to the use of the product. • Where the product is to be coated, the paint must have a minimum LRV 45%
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	• For posts with minimum dimensions of 135x135 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

CONTRIBUTING TO BUILDING WORK CODE OBLIGATIONS

When used in building work the Techlam glulaminated products will contribute to building work through compliance with building code obligations that apply to the product itself.

	Evidence
B1 Structure, B1.3.1, B1.3.2, B1.3.3 (a, f, h, j, m, q), B1.3.4	• Loads calculated to AS/NZS 1770, and designed to NZS3604:2011 or NZS3603:1993 or AS/NZS1720:2022. • Material manufactured to AS/NZS1328:1998 & AS 5608:2006 both cited in NZS3604:2011.
B2 Durability, B2.3.1 (a), B2.3.2(b)	• Lamina treated to NZS3640:2003
C2.6 Protection from Fire, C3.6	• Specified to NZS 3603:1993, section 9 • BRANZ Study report 42 [1996] "Charring rates of timber."
C Movement to a place of safety, C4.2	
F2 Hazardous Building Materials, F2.3.1	• Treatment by third-party treatment providers in accordance with NZTPC Best Practice Guideline for the Safe Use of Timber Preservatives & Anti-sapstain Chemicals.

FOR FURTHER INFORMATION

For all design, installation and maintenance related information and for information supporting Techlam claims refer to www.techlam.co.nz.

RESPONSIBLE PERSON

In accordance with Regulation 8, as the responsible person I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that Techlam glulam products are not subject to a warning on ban under s26 of the Building Act.

Signed for and on behalf of Techlam Ltd

Brett Hamilton

Brett Hamilton, MANAGING DIRECTOR
March 2025