

TECHLAM STRUCTURAL LAMINATED T&G FLOORING

PURPOSE

Techlam Structural Laminated T&G Flooring is a structural flooring system for use in light timber-framed construction.

EXPLANATION

Techlam Structural Laminated T&G Flooring is manufactured from pre-treated, rough sawn, kiln-dried timber (Radiata Pine, Douglas fir or other species).

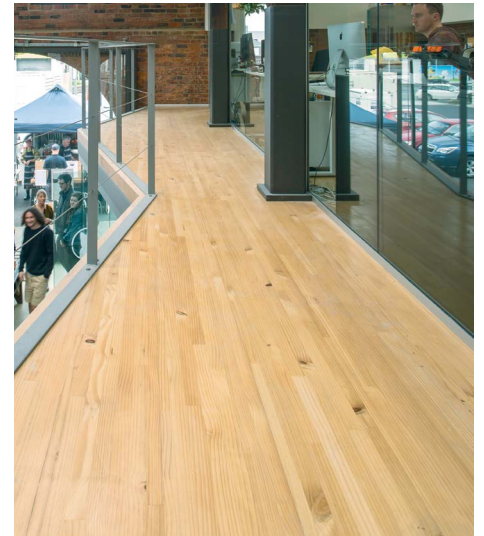
Their manufacture is third party certified, by Bureau Veritas (BV), to the relevant NZ standards.

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

Pre-manufacture treatment is carried out by others who are third-party certified. The level of treatment is specific to the end use.

Techlam™ Structural Laminated T&G Flooring is supplied:

- with either a Grade A Visual or Utility non-visual finish
- in a range of thicknesses from 42 mm – 135 mm
- with or without a V bevel
- manufactured to any specified length.
- in two widths (300 mm and 240 mm)



For further assistance please contact:

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



SCOPE AND LIMITATIONS OF USE

Scope	Limitations
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. ➤ Specification to be in accordance with the Techlam GL10 Laminated T&G Span Tables. Refer to www.techlam.co.nz/downloads for details. ➤ Timber treatment level must meet the relevant hazard class.

CONDITIONS OF USE

- The specification and installation of Techlam structural laminated T&G flooring 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.
- Techlam Structural Laminated T&G Flooring Span Tables are based on 'liveload' categories (kPa) and vibration limitations, which are subject to the use of the space/building.
- The structural laminated T&G flooring must be stored, handled and installed in accordance with all Techlam requirements.

USEFUL INFORMATION

For information on the installation and maintenance of Techlam Structural Laminated T&G Flooring 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

VERSION:

- The T&G Flooring must be kept dry and stored flat. If it is to be coated, the coating must be applied in accordance with the manufacturer’s instructions. If the moisture content is allowed to vary, the timber will be subject to shrinkage and swelling, which may lead to cracks and shakes appearing.
- Dark stains and coatings with a Light Reflectance Value (LRV) of 45% or lower are not recommended.
- All cuts, notches, holes and rebates must be sealed with a protective coating to prevent shrinkage and swelling.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with the all Techlam requirements, the Techlam Structural Laminated T&G Flooring will comply with or contribute to compliance with the following performance claims:

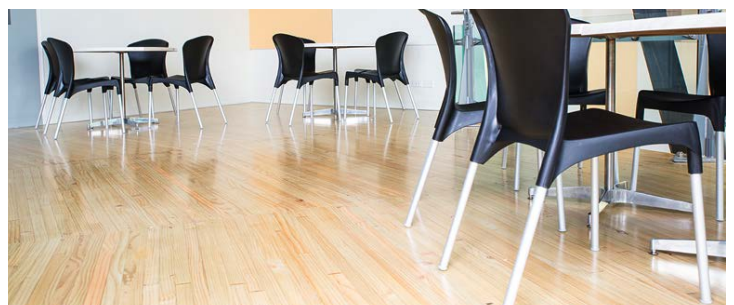
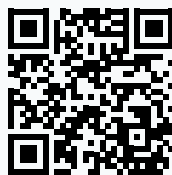
NZ Building Code clauses	BASIS OF COMPLIANCE ¹	
	Compliance statement	Demonstrated by
B1 Structure B1.3.1, B1.3.2 B1.3.3 (a, b, f, j, m, q) B1.3.4 (a, b, c, d, e)	VERIFICATION METHOD B1/VM1 ACCEPTABLE SOLUTION B1/AS1	<ul style="list-style-type: none"> ➤ Engineering Span tables to AS/NZS 1170:2002. ➤ 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	<ul style="list-style-type: none"> ➤ Lamina treated to NZS 3640:2003 prior to lamination.
C6 Structural Stability C6.2 (a), C6.3	VERIFICATION METHOD B1/VM1 NZS 3603:1993	<ul style="list-style-type: none"> ➤ 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.	<ul style="list-style-type: none"> ➤ 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.

Scan or click this QR code for a full download of Compliance Documentation for this pass™.
www.techlam.nz/downloads



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.

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.



Techlam® NZ ➤ 35–39 Tiro Tiro Rd, Levin 5510 ➤ info@techlam.co.nz ➤ 0800 832 452 ➤ www.techlam.nz

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