

STRUCTURAL LAMINATED T&G FLOORING

TECHLAM STRUCTURAL LAMINATED T&G FLOORING EXPLAINED

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

Techlam Laminated T&G Flooring is manufactured from pre-treated, rough sawn, kiln-dried timber (Radiata pine, Douglas-fir or other species). Treatment is carried out by suppliers, who are all third-party accredited and the level of treatment is specific to the end use.

It is supplied:

- ▶ With either a Grade A Visual or Utility non-visual finish
- ▶ With or without a V bevel
- ▶ In two widths (300mm and 240mm)
- ▶ In a range of thicknesses from 42mm to 135mm
- ▶ Manufactured to any specified length

PURPOSE

Structural Laminated T&G Flooring.

SCOPE OF USE

- ▶ In all buildings that comply with the New Zealand Building Code (NZBC), or
- ▶ In existing buildings where the designer/engineer is satisfied that the existing building is suitable for the intended building work, and
- ▶ Fixing materials are to be in accordance with NZS 3604:2011 section 4.0, and
- ▶ In accordance with the Techlam GL10 Laminated T&G Span Tables. Refer to www.techlam.nz/downloads for details.



VERSION:

NOTE: Uncontrolled in printed format.

DATE:

Name: Brett Hamilton
Position: General Manager
Signed on behalf of: Techlam NZ.

By signing this passTM, the signatory confirms that the product described by this passTM complies with s14G, Building Act 2004.

FURTHER INFORMATION

For further product assistance please contact:
Phone: 0800 832 452
www.techlam.nz

LIMITATIONS

- ▶ Timber treatment level must meet the relevant hazard class.
- ▶ Techlam Structural Laminated T&G Flooring must be installed in accordance with all Techlam requirements.
- ▶ The specification and installation of Techlam Structural Laminated T&G Flooring must be by (or supervised by) a Licensed Building Practitioner (LBP) with a relevant license class.
- ▶ Techlam Structural Laminated T&G Flooring Span Tables are based on 'live load' categories (kPa) and vibration limitations, which are subject to the use of the space/building.
- ▶ Techlam Structural Laminated 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 protective coating to prevent shrinkage and swelling.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all the Techlam requirements, the Techlam Laminated T&G flooring will meet the following performance claims.

Basis of compliance		
NZBC Clause	Means of compliance	Relevance
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	Manufacture is certified to: ▶ AS/NZS 1170:2002 for engineering span tables ▶ AS/NZS 1328:1998 and AS 5068-2006
B2 Durability B2.3.1 (a) B2.3.2 (a)	Acceptable solution B2/AS1	▶ NZS 3640:2003
C6 Structural Stability C6.2 (a) C6.3	Acceptable solution C/AS2-C/AS7	▶ AS/NZS 1170.0
F2 Hazardous Building Materials F2.3.1	Alternative solution	Techlam does not contain or emit harmful materials.

SOURCES OF INFORMATION

- ▶ AS/NZS 1770:2002 for engineering span tables
- ▶ AS/NZS 1328:1998 Glued Laminated Structural Timber
- ▶ AS 5068-2006 for Timber Finger Joints in structural products
- ▶ NZS 3640:2003 – Chemical Treatment for Round & Sawn Timber

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USEFUL INFORMATION

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

CERTIFICATIONS HELD BY TECHLAM:

- ▶ AsureQuality PINENZ Programme, (AS/NZS 1328 & AS 5068)
Reg No: PINEZ06/Certificate number: 01, 27/2/2018
- ▶ Licensed FANZ/Expan Fabricators
Licence no: FANZ 0011
- ▶ FSC® Chain of Custody Certification
No. SGS-COC-010729-FSC-C130502