

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. Manufacture is in accordance with:

- // AS/NZS 1328:1998 (Glued Laminated Structural Timber), and
- // AS 5068:2006 (Timber Finger Joints in Structural Products).

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 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 – 135mm.
- // Manufactured to any specified length.

SCOPE OF USE

Techlam manufacture and supply Structural Laminated T&G Flooring for use within the following scope:

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

LIMITATIONS

- // Timber treatment level must meet the specific 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.



SIGN OFF

SIGNED:

Brett Hamilton
General Manager

DATE: 8 November 2017

VERSION: V1.0

FURTHER INFORMATION

For further product assistance please contact:
Phone: 0800 TECHLAM (832 452)

www.techlam.co.nz

- // 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, or coatings with a Light Reflectance Value (LRV) of 45% or lower are not recommended as these attract heat and can cause the timber to dry out excessively, causing splitting, resin bleeding, distortion and cracking.
- // All cuts and notches, holes and rebates must be sealed with protective coating to prevent shrinkage and swelling.
- // Techlam recommends that a suitably qualified structural engineer specify appropriate member sizes on a project specific basis.

COMPLIANCE WITH THE NZ BUILDING CODE

If designed, installed and maintained in accordance with all Techlam technical information, the Structural Laminated T&G Flooring will comply with or contribute to compliance with the following provisions of the NZBC:

NZBC Clause	Evidence of compliance
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)	AS/NZS 1170:2002 for engineering span tables AS/NZS 1328:1998 and AS 5068:2006 for building element
B2 Durability B2.3.1(a) B2.3.2(a)	NZS 3640:2003
C6 Structural Stability C6.2 C6.3	TT-118 OR: NZS 3603:1993 (section 9) (specific design)
F2 Hazardous Building Materials F2.3.1	Timber treatment suppliers meet NZS 3640, which includes flash-off requirements.

OTHER CERTIFICATIONS HELD BY TECHLAM

- // AS/NZS 1328:1998, Glued Laminated Structural Timber – Licence No. 2682
- // AS 5068, Timber Finger Joints in Structural Products – Licence No. 2683
- // Licenced FANZ/Expan Fabricators – Licence No. FANZ 0011
- // FSC® Chain of Custody Certification – No. SGS-COC-010729 – FSC-C130502

USEFUL LINKS

For information on the installation and maintenance of Structural Laminated T&G flooring, and for our warranty, refer to www.techlam.nz/downloads

For the complete Techlam GL10 Laminated T&G Span Tables, refer www.techlam.nz/downloads

