

TECHLAM LAMINATED ARCHITECTURAL PORTALS

TECHLAM LAMINATED ARCHITECTURAL PORTALS EXPLAINED

Techlam laminated architectural portal frames are manufactured from pre-treated, rough sawn, kiln-dried timber (Radiata pine, Douglas-fir or other species).

Portal frames are available in:

- › Different grades for visual appearance,
- › Multiple configurations including curved knee portals and plywood gussets.

Portal frames are supplied with one coat of temporary sealer applied.

The portal frames are manufactured from timber CCA treated to hazard class H3.2. Pre-manufacture treatment is carried out by suppliers, who are third-party certified.

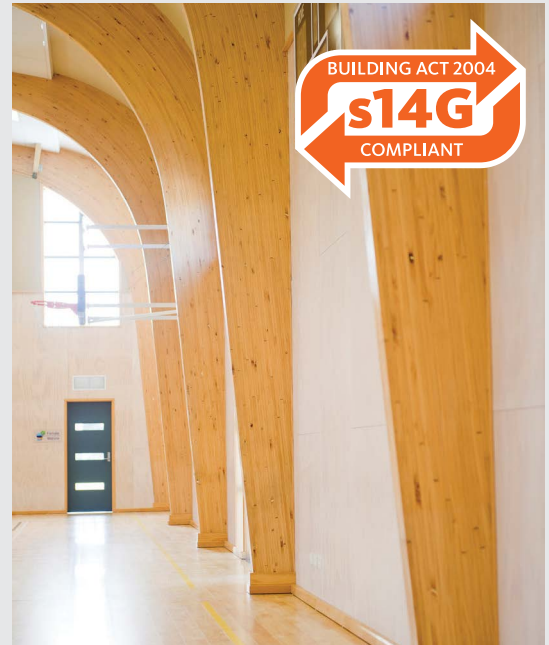
PURPOSE

Portal frames are a structural solution for:

- › Buildings requiring structural support capable of large spans.
- › Buildings in highly corrosive environments.
- › Buildings requiring a high degree of fire resistance.

SCOPE OF USE

- › In all new buildings that comply 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, and
- › Subject to specific engineering design, and
- › Fixing materials are in accordance with NZS 3604:2011 section 4.0, and
- › Fabricated connections in accordance with AS/NZS 1170.2:2002.



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

- › Specification must be by a suitably qualified person with access to all relevant technical documentation. Where specific fire performance is required the frames must be specified in conjunction with a Fire Engineer.
- › Portal frames must be stored, handled and installed in accordance with all Techlam requirements.
- › Within 14 days of delivery to site, the portal frames (including any cuts, knots, holes and rebates), must be resealed and top coated with a minimum two coat system.
- › Dark stains and coatings with a light reflectance value (LRV) of 45% or lower are not recommended.

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.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all the Techlam requirements, the Techlam laminated architectural portals 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	› AS/NZS 1170:2002 for engineering span tables Manufacture is certified to: › 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 1328:1998 (parts 1 & 2) Glued Laminated Structural Timber
- › AS/NZS 1170:2002 Structural Design Actions
- › AS 5068-2006 – Timber – Finger Joints in Structural Products
- › NZS 3640:2003 Chemical Treatment Round and Sawed Timber

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