



VIT BEAM
ALI BEAM

HIGH-CAPACITY ENGINEERED TIMBER BEAMS

BY XLAM



XLT is a range of products by XLAM that bring the benefits of mass timber to residential and light commercial construction. The XLT range includes 'ready made' panels, structural flooring, beams, columns, bracing and portal structures.

Mass timber is strong, sustainable, durable and offers impressive structural properties. The XLT range is made from Australian grown plantation Radiata pine offering painless onsite alterations, easy handling and fast install. Using timber alternatives means that you can minimise the reliance on fabricated steelwork and pair timber XLT products with timber framing.



Certificate CM70140



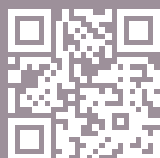
AUSTRALIAN
GROWN & MADE



Responsible
Wood



PEFC
PEFC/21-31-15





XLT BEAM XLT BEAM

XLT Beam is a laminated timber beam engineered for strength and reliability. Offered in a wide range of sizes and lengths, XLT Beam provides flexibility for use in both residential and commercial projects.

XLT Beam delivers consistent performance with proven design properties, tested in accordance with AS/NZS 4063 and certified under CodeMark. Easily specified using CodeMark-certified span tables, XLT Beam meets the requirements of the NCC and NZBC for both residential and commercial applications.

XLT Beam is made by XLAM from sustainably grown Australian plantation pine.

XLAM

A privately owned mass timber manufacturer with facilities across Australia and New Zealand. As Australasia's first CLT (cross-laminated timber) manufacturer, we're leading the way in making mass timber accessible.

Since 2010, XLAM have been at forefront of CLT and GLT (glue laminated timber) manufacturing in the southern hemisphere, completing more than 1,000 commercial builds. XLAM now bring the benefits of mass timber to residential and light commercial construction through a range of ready-made timber products.

A HYNE GROUP COMPANY

XLAM are uniquely positioned to produce mass timber products with the advantage of ready access to high-quality timber feedstock. As a part of the Hyne Group, we access timber from our sister business Hyne Timber, who operate some of the region's largest and most sophisticated mills.

Our production sites are strategically located near our mills for efficient production of our XLT product range.



MADE FROM SOLID WOOD

XLT Beams are a new laminated beam product, manufactured as part of the XLT (XLAM Laminated Timber) range, benefiting from XLAM's state-of-the-art engineered timber production. Made from locally grown and milled finger-jointed Radiata pine feedstock, XLT Beams deliver strength, consistency, and reliability.

XLAM's XLT Beam is created by bonding multiple layers of plantation pine. The result is a strong, cost-efficient alternative to traditional structural options such as steel, LVL, solid wood, or reinforced concrete beams.

Being timber, XLT Beams are highly workable—easy to cut to length or adjust on site, lightweight and easy to handle, and designed to integrate seamlessly with your timber structure.

Proudly manufactured in Australia, XLT Beams use Australian grown plantation pine with full PEFC chain-of-custody certification, ensuring every beam is sustainably sourced.





XLT BEAM BENEFITS



Environmentally Responsible:
Made from sustainably grown plantation pine, which locks away carbon as it grows. Trees are replanted for a continuous cycle of carbon storage, and beams are bonded with formaldehyde-free adhesives.



Superior Spans:
Engineered for extended spans and superior load capacity, streamlining structural design and enhancing efficiency.



Termite and Fungal Resistant:
XLT Beam is available as H3 (AUS) or H3.2 (NZ) treated with Hyne Timber's CodeMark-certified T3+ preservative, providing protection against termites, borers, fungal decay, and rot.



Zero VOCs:
Our T3+ treatment is water-based with zero CCA to ensure it's safe with no volatile organic compounds.



XLT BEAM ON THE JOB SITE



Design flexibility:
XLT Beam is available in a variety of sizes, including deeper sections for specialised applications. Beams can also be easily docked onsite to suit bespoke project requirements.



Easy to work with:
Available in a range of sizes to match framing widths, XLT Beams make installation simple—no nail-laminating or packers required.



Solid wood alternative:
Perfectly suited for rafters, lintels, joists and bearers, XLT Beams are made from solid timber that holds nails—offering a robust alternative to LVL, I-Joists and steel.

XLT BEAM ALI BEAM

XLT Beam is a high-performance laminated timber beam, manufactured from sustainably grown Radiata pine and purpose-built for Australian homes and light commercial projects. Engineered for strength and reliability, it's available in standard widths and ideal for joists, rafters, lintels, bearers and purlins. Offering the natural benefits of solid wood with superior properties, XLT Beam delivers a dependable alternative to LVL, I-joists, steel and even concrete.

KEY SPECS



CODEMARK CERTIFIED
Independently certified in Australia and New Zealand for compliance and peace-of-mind.



SUPERIOR SPANS
Engineered for extended spans and superior load capacity, streamlining structural design and enhancing efficiency.



EASY TO WORK WITH
Available in a range of sizes to match framing widths, XLT Beam makes installation simple—no nail-laminating or packers required.



CARBON ABSORBED
492 kg CO₂ stored per m³



PLANTATION REGROW TIME
~0.16sec per m³

OVERVIEW

Species	Radiata Pine
Width	65mm, 75mm, 90mm, 130mm, 170mm (170–340mm contact XLAM)
Length	3.6m, 4.8m, 5.4m, 6m (> 6m made to order)
Depth	200mm, 240mm, 300mm, 360mm, 400mm, 450mm, 500mm, 550mm (> 550mm contact XLAM)
Lamella Thickness	30–42.5mm
Joint Group	JD5

Manufactured from finger-jointed Radiata pine with consistent, proven feedstock properties, XLT Beam delivers a reliable and efficient solution across a wide range of structural applications.

Available in standard widths, it is ideally suited for use as lintels, joists, bearers, rafters and purlins. Structural performance is backed by CodeMark certification, with span tables for Australia and New Zealand provided in the XLAM Structural Design Guide.

Designed for versatility, XLT Beam is approved for use in internal (Service Class 1) and external protected (Service Class 2) applications only.

Note: Service class definition as per AS 5068-2006

RESIDENTIAL APPLICATIONS

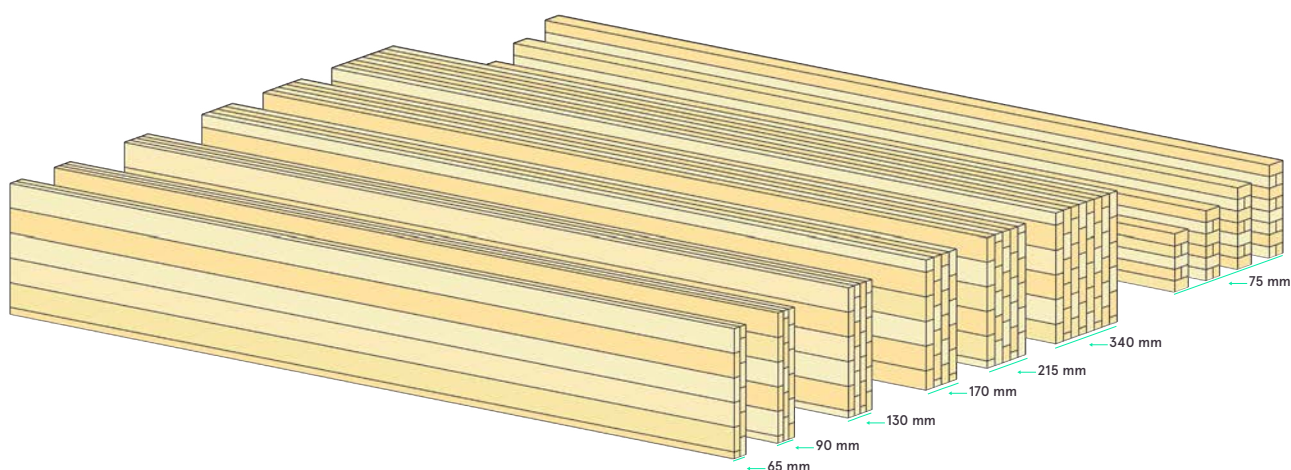
XLT Beam meets the requirements of AS 1684.2:2021 and AS 1684.3:2021 Section 1.11(i), with properties established in accordance with AS/NZS 4063.1. This ensures compliance with the DTS provisions of NCC 2022 Volume 2 (Class 1 Buildings).

In New Zealand, XLT Beam complies with NZS 3604:2011 Section 2.3.9.6, meeting the deemed-to-comply provisions of the NZBC for housing.

LIGHT COMMERCIAL APPLICATIONS

XLT Beam meets the requirements of AS 1720.1 Section 1.3.1(h), with properties established in accordance with AS/NZS 4063.1. This provides compliance with the DTS provisions of NCC 2022 Volume 1 (Class 2–9 Buildings).

For New Zealand, XLT Beam complies with NZS/AS 1720.1:2022 Section ZZ1.3.1(h) and ZZ1.3.2, meeting the deemed-to-comply provisions of the NZBC for other building classifications.



Note: 255mm and 300mm wide sections not shown

STRUCTURAL PROPERTIES

Strength Grade	Bending Strength (f'b) (MPa)	Tension Parallel to Grain (f't) (MPa)	Shear Strength (f's) (MPa)	Compression Parallel to Grain (f'c) (MPa)	Compression Perpendicular to Grain (f'p) (MPa)	Modulus of Elasticity (E) (MPa)	Modulus of Rigidity (G) (MPa)	Avg. Density (kg/m³)
XL-10	22	7.7	2.1	17	10	10000	670	500



Detailed product description and install instructions available at xlam.co/xltbeaminstall



LOAD CAPACITY

Span tables for residential floor and roof applications, covered under CodeMark certification, are available in the XLAM Structural Design Guide (XLT section).

- **Floors:** Tables are based on a superimposed dead load (SDL) of 50 kg/m² (allowing for finishes and services), with a distributed live load of 1.5 kPa and a concentrated live load of 1.8 kN.
- **Roofs:** SDL is 40 kg/m² for light metal roofs and 90 kg/m² for heavy tiled roofs. Both cases allow for a distributed live load of 0.25 kPa (25 kg/m²) and a concentrated live load of 1.8 kN.
- **Wind classification:** up to N3 (AS 4055) / Very High (NZS 3604).

Note: Full responsibility for the design and compliance with the Building Codes of Australia and all relevant Australian Standards rests with the design professional specifying and certifying the product. XLAM will not accept any liability for the failure of any other elements of the building which cause a subsequent failure of an XLAM product.





XLAM

**BUILD LIKE
THE WORLD
DEPENDS ON IT.**

[XLT ORDERS](#)

For more information regarding XLT products,
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MASS TIMBER MADE EASY.



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