



BETTER GET BUILDING.
**BETTER GET
BEAM 15.**



PROUDLY DISTRIBUTED BY IBUILT ENGINEERED WOOD PRODUCTS



A modern all rounder

Beam 15 is Hyne Timber's latest innovation in Glue Laminated Timber (GLT); a high-performance product that's engineered to handle long spans and critical loads. It is an entirely new grade of GLT that's more readily available to support market demand.



Engineered to last



Sustainably sourced pine



Fungal resistant

Available H3.1 treated



Product of Australia



Independently tested, Beam 15 complies with the New Zealand standards in manufacturing and design — NZS 1328.1 and NZS 1720.1.

MADE TO GET YOU BUILDING



CAMBER AND TRUE DEFLECTION RATE

Beam 15 is manufactured with a 600m camber.

The camber assists in absorbing the deflection and out performs a straight beam of the same size, due to the supporting arch.

With true deflection rates, Beam 15 meets performance standards and delivers reliable support. Ideal for residential and commercial projects, Beam 15 creates durable and aesthetically pleasing structures that stand the test of time.



A STRUCTURALLY COMPLIANT SOLUTION

Beam 15 is a high-performance product that's engineered to handle long spans and critical loads. This means Beam 15 can be used in most applications where other high strength alternatives are traditionally specified.

Internal applications include:

- Lintels
- Bearers
- Beams
- Rafters
- Columns / Blades

QUALITY ASSURANCE

Beam 15 is made using high-strength, custom graded laminates, with each laminate undergoing thorough testing before bonding. Our beams are then placed through comprehensive in-house and third-party tests to ensure quality consistency in performance and compliance.



DURABLE

Our Beam 15 range is:

- Treated to hazard class H3.1 (see Hyne Timber's Australian Technical Data Sheets 6, 8 and 9)
- Not suitable for direct exposure of timber to the weather or for stained finishes
- LOSP (azole, TBTO, TBTN or CuN)

DESIGN SUPPORT MATERIAL

Beam 15 is supported with a library of design and technical documents to make specification easy. These include lintel span tables, LVL16 and flitch beam substitution tables, characteristic design properties, and handling and storage information. It is all available for download from IBuilt.co.nz.



INDEPENDENTLY TESTED

Through Beam 15's creation we had 21 unique sample types and a staggering 312 individual beam samples independently tested, supervised by the EWPA, to ensure that Beam 15 conforms with the New Zealand standards in manufacturing and design – NZS 1328.1 and NZS 1720.1.

Our ongoing Glue Laminated Timber lab testing includes delamination, wood failure, finger joint, as well as a range of feedstock tests. In addition, full size beams undergo bending, treatment and visual grade tests to guarantee product consistency and excellence.





Technical Specs

INTERNAL APPLICATIONS

- Lintels
- Bearers
- Beams
- Rafters
- Columns / Blades

MADE TO ORDER

- Depths exceeding 525mm
- Appearance Grade A
- Straight profile
- Special sizes (block-glued and depth up to 1200mm)

GRADES

Beam 15 is available in two finish grades as per NZS/AS 1328.1 – 1998:

APPEARANCE GRADE B (STANDARD)

Intended for use in painted applications or applications where appearance is not important. The surface is clean and planed but may exhibit minor blemishes.

APPEARANCE GRADE A (MADE TO ORDER)

Intended for use in applications where appearance is important and clear or painted finishes are used. All surface voids are therefore filled or repaired. Unless otherwise specified, the surfaces are sanded to a minimum 60 grit finish.

HYNE DESIGN

For engineering solutions, including specifying Beam 15, our free design software, Hyne Design, is available for download on the IBuilt website.

Mechanical Properties Cambered, App Grade B

Depth (mm)	85mm (w)	130mm (w)
130, 165	✓	
195, 230, 260, 295	✓	✓
330, 360, 395, 425	✓	✓
460, 495, 525	✓	✓
590	✓	

All Beam 15 products sold in 600mm increments and available up to 11.4m long

Stress Grade GL15^

Bending (F_b) 36MPa

Tension (F_t) 20MPa

Shear (F_v) 4.2MPa

Compression (F_c) 33MPa

Modulus of Elasticity (E) 14,800MPa

Modulus of Rigidity (G) 980MPa

Species Australian plantation grown Southern Pine

^Hyne Timber Proprietary products.

*Available H3 treated for termite and fungal resistance; suitable for outdoor, above ground use.



AS/NZS 1328.1:1998 COMPLIANT

STANDARDS

Manufacturing Standards: NZS 1328.1 – 1998 Glued laminated structural timber Part 1: Performance requirements and minimum production requirements. AS 5068 – 2006 Timber - Finger joints in structural products - Production requirements. Design Standards: NZS 1720.1-2010 – Timber structures Part 1: Design methods.



SALES sales@ibuilt.co.nz
TECH technicalinfo@ibuilt.co.nz
PHONE 0800 022 352
WEB www.ibuilt.co.nz

