



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

MADE BY





## 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 record-breaking market demand.



Engineered to last



Sustainably sourced pine



Fungal resistant

Available H3 treated



Termite resistant

Available H2 treated



Product of Australia



Independently tested, Beam 15 complies with the National Construction Code (NCC) and meets the Australian standards in manufacturing and design – AS1328.1 and AS1720.1.

# MADE TO GET YOU BUILDING

# Why Beam 15?

## **MORE READILY AVAILABLE**

With our Beam 17 (GL17) feedstock volumes steadily declining over recent years, coupled with unprecedented market demand, it was clear that we needed a solution to better serve the Australian building industry.

Our answer – Beam 15.

Through formulating a new timber mix we have been able to unlock a wealth of fibre, meaning we can now produce more beams than ever before.



## **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 a myriad of comprehensive in-house and third-party tests to ensure quality consistency in performance and compliance.



## **A PERFECT GL17 SUBSTITUTE**

Beam 15 is a high-performance product that's engineered to handle long spans and critical loads. This means Beam 15 not only looks identical, but it also performs closely to GL17 and can be used in most applications where traditionally GL17 is specified.

Applications include:

- Internal and external\*
- Lintels
- Bearers
- Beams
- Rafters
- Columns / Blades



## **INDEPENDENTLY TESTED**

Through Beam 15's creation we have endeavoured to safeguard our customer's GLT supply requirements, without compromising on our renowned product quality.

This is why 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 National Construction Code (NCC) and the Australian standards in manufacturing and design – AS1328.1 and AS1720.1.

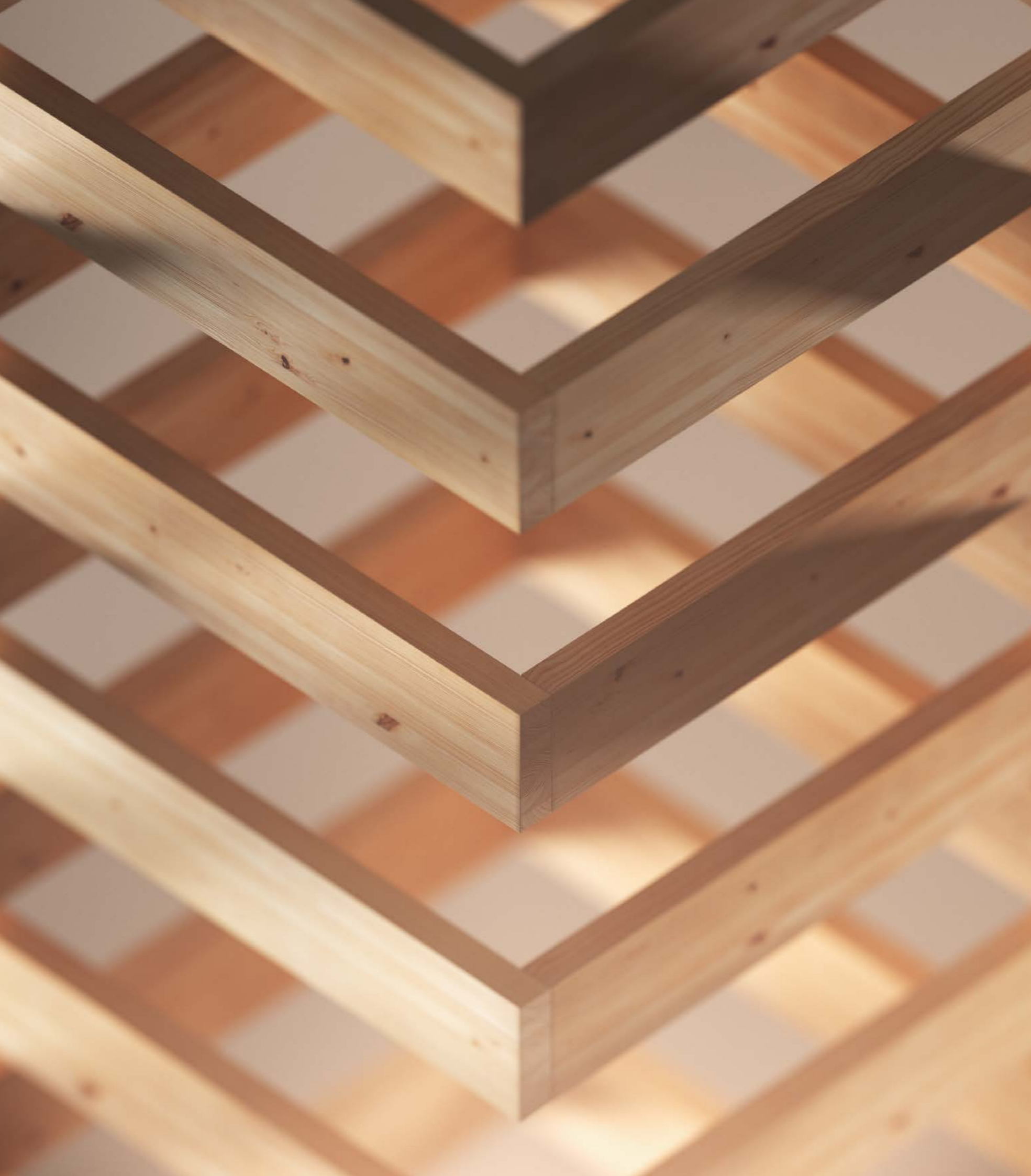


## **DURABLE**

Our treatments are designed to stand up to Australian conditions with a 25 Year Guarantee, you know it's made to last.

Available in a range of options including:

- H2 for termite resistance; suitable for indoor and from weather protected applications (Service Classes 1 and 2)
- H3 treated for resistance to termites and fungal attack; suitable for outdoor, above ground applications (see Technical Data Sheets)



# Technical Specs

**APPLICATIONS**

- Internal and external\*
- Lintels
- Bearers
- Beams
- Rafters
- Columns / Blades

**MADE TO ORDER**

- Standard depth up to 525mm
- 130mm thickness
- Appearance Grade A
- Straight profile
- Curved
- Special sizes (block-glued and depth up to 1200mm)

**GRADES**

Beam 15 is available in two finish grades as per 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 Hyne Timber website.

<b>Mechanical Properties</b>	Cambered, App Grade B
<b>Thickness (mm)</b>	65, 85
<b>Depth (mm)</b>	<b>Length Range (m)</b>
130, 165	2.4 to 12.6 in 0.6m increments
195, 230, 260, 295	2.4 to 6.0 in 0.3m increments; 6.0 to 12 in 0.6m increments
330, 360	3.6 to 12.6 in 0.6m increments
395	4.2 to 12.6 in 0.6m increments
<b>Stress Grade</b>	GL15 <sup>^</sup>
<b>Bending (F<sub>b</sub>)</b>	36MPa
<b>Tension (F<sub>t</sub>)</b>	20MPa
<b>Shear (F<sub>v</sub>)</b>	4.2MPa
<b>Compression (F<sub>c</sub>)</b>	33MPa
<b>Modulus of Elasticity (E)</b>	14,800MPa
<b>Modulus of Rigidity (G)</b>	980MPa
<b>Species</b>	Australian plantation grown Southern Pine

<sup>^</sup>Hyne Timber Proprietary products.  
 \*Available H3 treated for termite and fungal resistance; suitable for outdoor, above ground use.



**STANDARDS**

Manufacturing Standards: AS/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: AS1720.1-2010 – Timber structures Part 1: Design methods.



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