

GLULAM RANGE

GLT

Stunning, Sustainable & Strong

Our range of GLT products enable you to strike the right balance between beauty and brawn. Aside from its prized visual characteristics, the incorporation of timber and biophilic design principles into built environments can deliver many benefits to the health and wellness of its occupants, as is evidenced by an ever increasing body of research.

As design trends come and go, timber remains a timeless staple. Now, with the emergence of engineered timber products and a focus on sustainability in construction, timber is enjoying a renaissance. Its ability to effortlessly complement materials like steel, stone and concrete has made it a go-to material for those with an eye for the future of design, not to mention, the future of Planet Earth. In a residential setting, builders enjoy the fact timber is lighter and infinitely more workable than steel. Similarly, in a commercial setting, GLT allows for smaller foundations, faster installation, and the flow on savings to overall project costs.

RESIDENTIAL APPLICATIONS:

- In-store availability
- Long spans and portal frames
- Exposed rafters and trusses
- Easy to handle on site

COMMERCIAL APPLICATIONS:

- Where aesthetic and character are integral
- Mass timber post and beam construction
- Complements Cross Laminated Timber
- Portal frames and long spans
- Bespoke architectural designs





The hero behind every great build

Produced from individually treated H3 laminates. Suitable for indoor and outdoor floor, wall & roof applications.

- Southern Pine
- Australian plantation grown
- H3 treated
- Strength Grade: GL13 equivalent
- Straight profile only
- Appearance Grade C



LGL provides the stability behind many great builds. Under the floorboards, over the portal, or in the roof, LGL can be found doing the heavy lifting.



SELDOM SEEN HERO

BEAM
15

A modern all rounder

With enhanced availability to help meet unprecedented housing demand, Beam 15 is your newest workmate.

Suitable for most applications where a GL17 beam might otherwise be specified. Rigorously tested, and endlessly reliable.

- Southern Pine
- Australian plantation grown
- H2 / H3
- Straight / Cambered
- Appearance Grade A / B



MADE TO GET
YOU BUILDING

Our state-of-art local Glulam Plant has been geared to produce high quality Australian GLT en mass for enhanced availability.

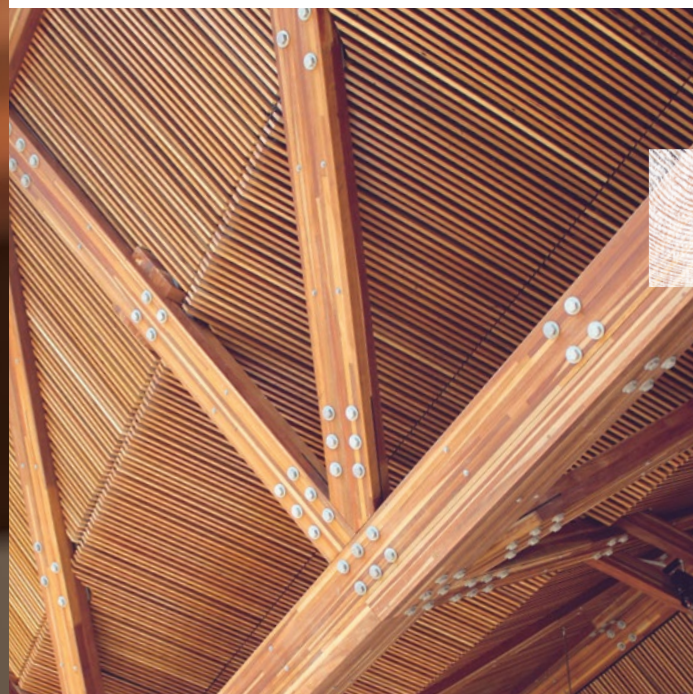




Strength when it matters most

Beam 21 asserts itself in a crowd with its uniquely Australian looks combined with pure brawn.

- Spotted Gum or Mixed Queensland Hardwoods
- Australian grown
- Responsibly sourced
- Durability Class 1 for outdoor use
- Straight / Cambered
- Appearance Grade A / B



BRAWN + BEAUTY

As design trends come and go, timber remains a timeless staple. They say beauty fades, but with a strength-to-weight ratio superior to steel, GLT has the strength to last the life of a building.



A pleasure to work with

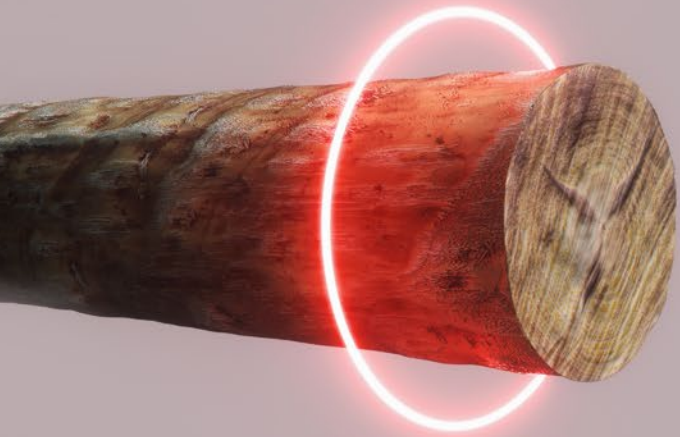
GLT is used in a wide variety of residential and commercial applications due to its versatile, superior strength and durability qualities. It is perfect for applications requiring heavier loads, complex shapes and longer spans.

BENEFITS OF GLT:

- Stronger than solid timber
- Lightweight in comparison to steel and concrete
- Straight and curved beams for design and architectural benefit
- Available in large section and long span sizes
- High strength and dimensional stability
- A durable low maintenance solution
- Structural capabilities
- Easy to erect and install
- Sustainable
- Great sound absorption qualities
- Increased construction speed
- Can reduce overall building costs
- Attractive finish
- Biophilic design



Engineered to perform for a lifetime

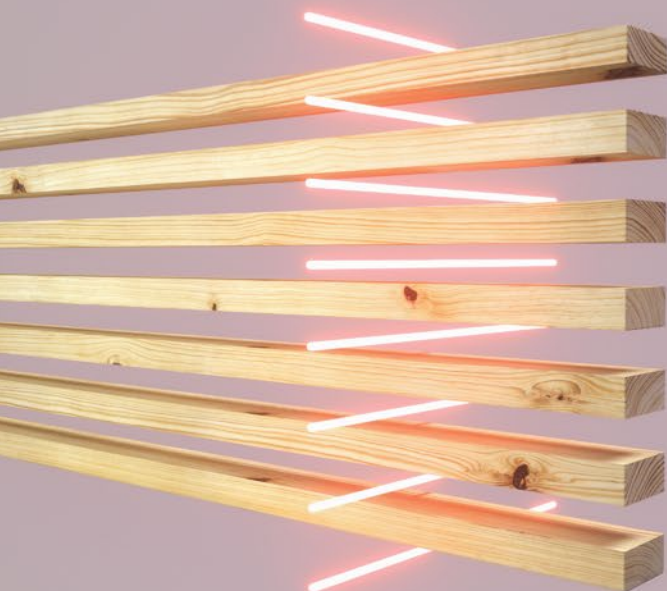
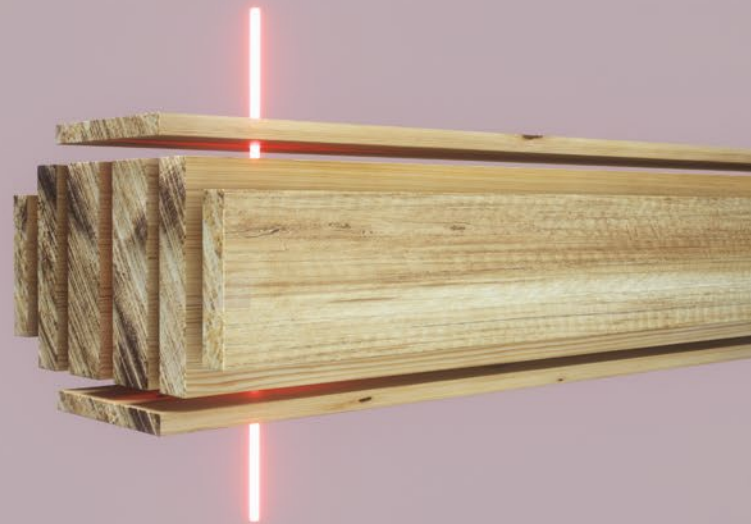


SCANNED FOR QUALITY

No two logs are identical, yet our customers demand a meticulously uniform end product. That makes every cut important, and with the latest scanning and grading technologies, we're able to determine the unique structural qualities of every log with laser precision.

CUT WITHOUT COMPROMISE

Moments after passing a laser scanner at speed, every log is assigned its own unique cutting pattern and continues onto the belt. With every cut, our system works to extract maximum value from the log, taking an uncompromising approach to potential structural defects.



PERFECTLY ALIGNED

Each length of timber is treated for added durability before moving between the mill and our GLT manufacturing facility. Here, laminates are lovingly bonded together using structural adhesive and high pressure, before being finished to align with your projects own exacting requirements.



We invest in precision from the beginning because in the end, every Hyne Timber beam is engineered to perform for a lifetime.



TECHNICAL SUPPORT TEAM

No matter the scale of project, our technical support team have an array of services to help lighten your load and make your vision a reality. Our team can deliver fabrication and joinery solutions for complex applications where extreme precision is key, from the simplest screw fasteners to the most elegant dowel connections.




DESIGN & DEVELOPMENT ASSISTANCE:

- Connections & materials selection
- Estimates, budgeting & tendering
- Prefabrication services
- Technical & installation advice
- Free Hyne Design software and BIM content available to download from hyne.com.au

BESPOKE SERVICES:

- Creative profiles & CNC machining
- Off-site assembly & coatings application
- Structural engineering & detailed shop drawings

Technical Specifications

Product	Thickness (mm)	Depth (mm)	Length Range (m)	Profile	Stress Grade	Bending (F_b)	Tension (F_t)	Shear (F_s)	Compression (F_c)	Modulus of Elasticity (E)	Modulus of Rigidity (G)	Species	Preservative Treatment	Appearance Grades
	44	130, 150, 170, 200, 240, 300, 360	1.2m to 12.0m in 0.3m increments	Straight	LGL44*	30MPa	16MPa	3.7MPa	30MPa	13,300MPa	890MPa	Australian plantation grown Southern Pine	H3 treated for termite and fungal resistance	C
	65	99, 130, 150, 170, 200, 240, 300, 360			GL13	33MPa	16MPa	4.2MPa	26MPa	13,300MPa	900MPa			
	65, 85	130, 165	2.4 to 12.6 in 0.6m increments	Cambered	GL15*	36MPa	20MPa	4.2MPa	33MPa	14,800MPa	980MPa	Australian plantation grown Southern Pine	H2 treated for termite resistance, indoors use	B (Standard) A (Made to order)
		195, 230, 260, 295	2.4 to 12.6 in 0.3m increments										H3 treated for termite and fungal resistance, outdoor use	
		330, 360	3.6 to 12.6 in 0.6m increments											
		395	4.2 to 12.6 in 0.6m increments											
	65	120, 155, 185, 215, 240, 280, 300, 315, 350, 380, 410	1.2m to 12.0m in 0.3m increments	Cambered or Straight	GL21*	50MPa	25MPa	5.0MPa	50MPa	21,000MPa	1,400MPa	Spotted Gum, Mixed QLD Hardwoods	Naturally termite & weather resistant	A or B (Made to order)
	85	120, 155, 185, 215, 240, 280, 300, 315, 350, 380, 410, 445, 475, 505, 535, 570, 600												

*Hyne Timber Propriety products.



LOVE  **TIMBER**[®]

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