

THE GOOD STUFF



WHAT MAKES HYNE TIMBER'S GLT SO DARN GOOD?

Our range of GLT products enable you to strike the right balance between beauty and brawn. Aside from its prized visual characteristics, our products meet high standards and industry regulations, with rigorous in-house and independent testing, along with 'S' Mark certification. We invest in precision from the beginning to the end, to ensure every Hyne Timber beam is engineered to perform for a lifetime – in fact, we're so sure of our products we offer up to a 25-year guarantee.

All of our GLT products are proudly grown and manufactured right here in Australia and are designed specifically to perform in the harsh Australian climate. The good stuff is made from Australian pine and hardwoods, all sourced from PEFC certified, sustainably managed Australian plantations, with full Chain-of-Custody certification.

So, build with the good stuff and let's build a better, more environmentally friendly future.

RESIDENTIAL APPLICATIONS:

- High load beams and lintels
- Garage door openings
- Alfresco and indoor / outdoor living areas
- Lintels, rafters, bearers, beams, columns / posts

COMMERCIAL APPLICATIONS:

- Where aesthetic and character are integral
- Mass timber post and beam construction
- Complements both mass timber (e.g. CLT) and lightweight timber construction
- Portal frames and long spans
- Bespoke architectural designs
- Beams, trusses, joists, lintels and rafters
- Columns and blades







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
- 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.



S

FIELD SEEN HERO



A modern all rounder

Beam 15 is a high-performance structural product that's engineered to handle long spans and critical loads. It is Hyne's strongest pine beam and has been rigorously tested for quality assurance.

- Southern Pine
- Australian plantation grown
- H2 or H3 treated
- Straight or Cambered profile
- Appearance Grade A or B



PROV

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



EN TO PERFORM



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 above ground applications
- Straight or Cambered profile
- Appearance Grade A or B



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.



BRAWN BEAUTY

MAN + DUTY



THE GOOD STUFF IS A PLEASURE TO WORK WITH

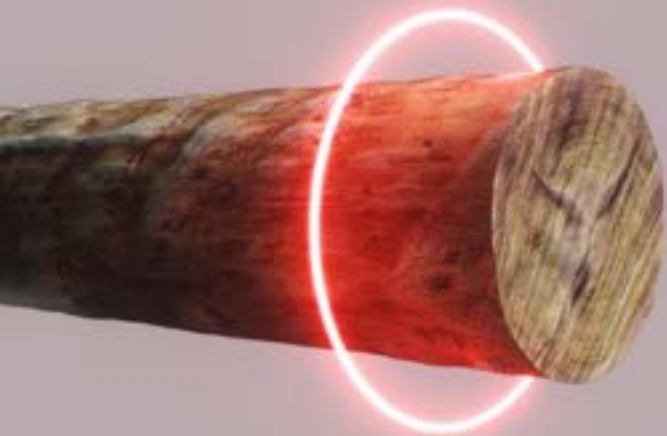
GLT is used in a wide variety of residential and commercial applications due to its versatility, superior strength, and durable qualities. Architects and builders alike consider it the good stuff as it is perfect for applications requiring heavier loads, complex shapes, longer spans, or in instances where projects require smaller foundations.

WHY GLT IS SO GOOD:

- Stronger than solid timber
- Lightweight in comparison to steel and concrete
- 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)



THE GOOD STUFF IS ENGINEERED TO PERFORM FOR A LIFETIME



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, to ensure we produce nothing but the good stuff.



Scanned for quality

We understand that no two logs are ever identical, and yet our customers expect nothing short of a uniform end product. That's why every cut we make is of utmost importance. Utilising cutting-edge scanning and grading technologies, we possess the remarkable ability to discern the distinctive structural characteristics of each log with laser precision. This enables us to deliver quality that surpasses expectations, ensuring that you receive nothing but the good stuff for your projects.

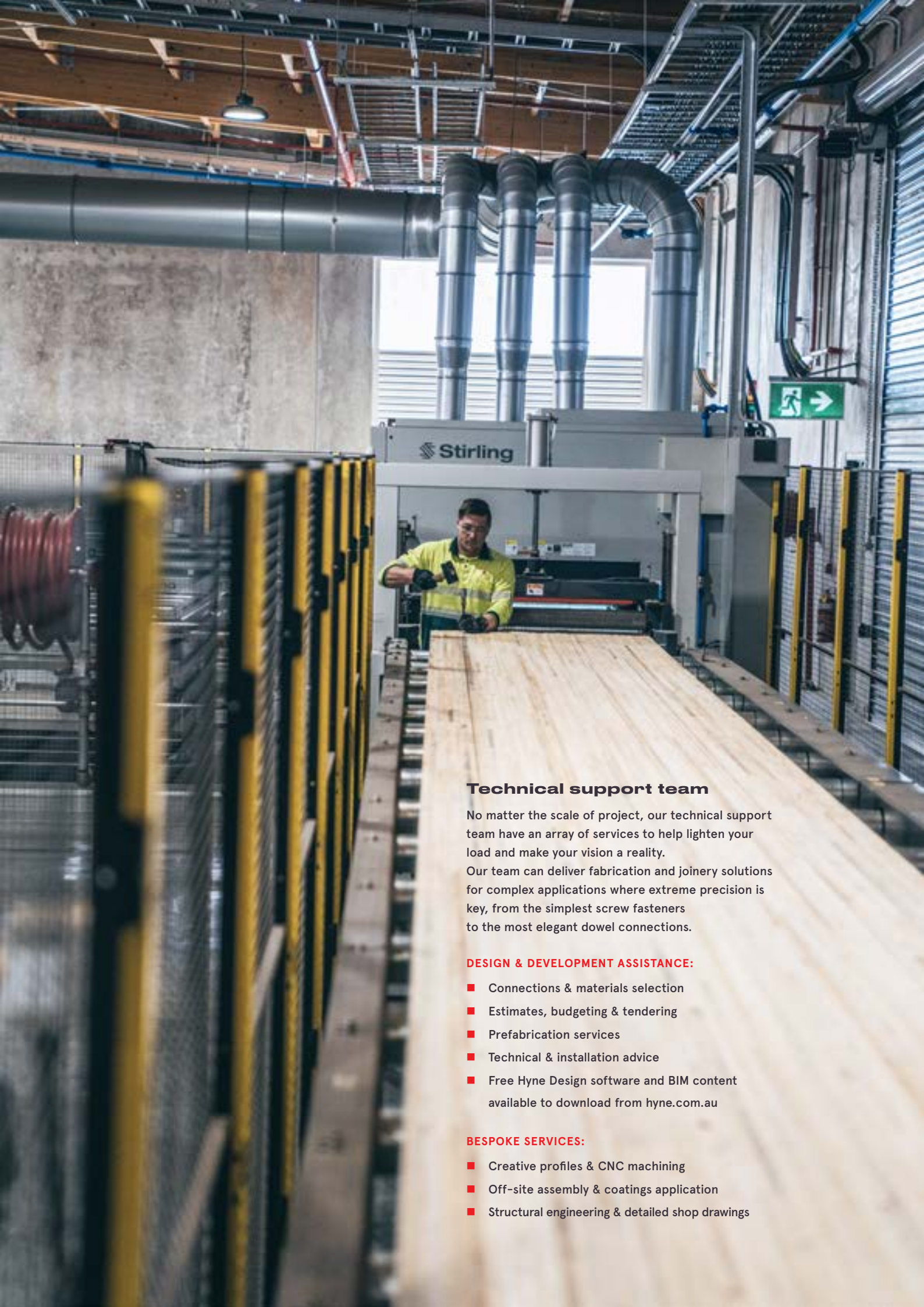


Perfectly aligned

To ensure we use nothing but the good stuff in our GLT products, each length of timber is meticulously tested throughout its journey through the mill before moving to our state-of-the-art GLT manufacturing facility. Here, timber laminates are bonded together using structural adhesive and high pressure, infusing them with strength and longevity. Finally, we carefully finish every piece to impeccably align with the exacting requirements of your unique project.



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)
	44	130, 150, 170, 200, 240, 300, 360	2.4m to 12.0m in 0.3m increments	Straight	LGL44*	30MPa
	65	99, 130, 150, 170, 200, 240, 300, 360			GL13	33MPa
	65, 85, 130	130, 165, 195, 230, 260, 295, 330, 360, 395, 425, 460, 495, 525	1.8m to 12.0m in 0.3m increments available in QLD	Cambered or Straight	GL15*	36MPa
			2.4m to 12.0m in 0.6m increments available nationwide			
	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
	85	120, 155, 185, 215, 240, 280, 300, 315, 350, 380, 410, 445, 475, 505, 535, 570, 600				



Tension (F_t)	Shear (F_s)	Compression (F_c)	Modulus of Elasticity (E)	Modulus of Rigidity (G)	Species	Preservative Treatment	Appearance Grades
16MPa	3.7MPa	26MPa	13,300MPa	890MPa	Australian plantation grown Southern Pine	H3 treated for termite and fungal resistance	C
16MPa	3.7MPa	26MPa	13,300MPa	900MPa			
20MPa	4.2MPa	33MPa	15,500MPa	980MPa	Australian plantation grown Southern Pine	H2 treated for termite resistance, indoors use	B (Standard)
						H3 treated for termite and fungal resistance, outdoor use	A (Made to order)
25MPa	5.0MPa	50MPa	21,000MPa	1,400MPa	Spotted Gum, Mixed QLD Hardwoods	Naturally termite & weather resistant	A or B (Made to order)

*Hyne Timber Propriety products.

EMAIL
SPECS

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Hyne Design Software



THE GOOD STUFF IS PROVEN TO PERFORM

At Hyne, we have spent over 140 years honing our craft in pursuit of the good stuff. Over generations we have refined what we do, from log selection, to milling and drying, right through to our industry leading treatment and product engineering. Our beams are designed perform on the job, making light work of critical loads.

hyne
design

The industry standard for timber design

Hyne Design structural timber design offers innovative design procedures, a user-friendly graphical interface, and the capability to handle complex load functions. It provides engineering reports and certification documentation for end users and includes structural properties and span tables for popular Australian engineered timber products, as well as generic solid timber products.

Available at hyne.com.au



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This document supersedes all previous versions.