GLT
BEAMS
HYNE TIMBER
THE
GOOD
STUFF.

WHAT MAKES HYNE TIMBER'S GLT SO DARN GOOD?

PRODUCT OF AUSTRALIA

CERTIFIED TO APPROVED STANDARD
AS/NZS 1328.1: 98
LICENCE No 2757

Responsible Wood

PEFC™

Timber Framing The Ultimate Renewable

HYNE.COM.AU

Our range of Glue Laminated Timber (GLT) products enables you to strike the right balance between beauty and brawn. Aside from their prized visual characteristics, our products meet high standards and industry regulations, with rigorous in-house and independent testing, as well as 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 confident in our products, we offer 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.

ADVANTAGES OF GLUE LAMINATED TIMBER.

EASY TO WORK WITH

GLT is lightweight and versatile, making it easy to handle on-site. Compared with steel or concrete, it's simpler to transport and install. It can be easily docked, drilled, or screwed for precise adjustments, and its ability to hold nails securely adds convenience for carpenters. These qualities streamline construction, allowing builders to work efficiently and create strong, accurate structures with ease.

STABILITY

GLT is dimensionally stable, maintaining its shape without warping, bending, or twisting. Unlike solid timber, it resists shrinking or swelling with moisture changes. Hyne GLT uses carefully selected laminates with consistent moisture content and strength grades. When bonded, these laminates reinforce each other, forming a single, straight, and reliable member that resists distortion over time.

STRENGTH

GLT outperforms solid timber, spanning long distances and supporting heavy loads with ease. Its laminated layers, bonded with high-strength adhesive, provide excellent load-bearing capacity and resist bending and twisting. This superior strength and stability allow builders to create larger, more robust structures and expansive open spaces, making GLT ideal for projects requiring both durability and architectural flexibility.

IT LOOKS GREAT

GLT showcases timber's natural beauty, creating warm, visually striking spaces. Timber's timeless appeal endures through changing design trends, and engineered products such as GLT are driving a sustainable construction renaissance. Its versatility allows it to complement materials such as steel, stone, and concrete, making it a favourite for designers seeking both aesthetics and environmental responsibility. GLT combines elegance, functionality, and sustainability for modern, impactful architecture.

HEALTH AND WELLBEING

Along with providing timeless aesthetic and endless design possibilities, timber has been shown to have multiple positive effects on people's health and wellbeing. In fact, research has found that incorporating timber into the design of a space can reduce stress and support cognitive function, physical health, and psychological wellbeing. Ultimately, timber allows us to create healthier, happier, and greener spaces.

FIRE PERFORMANCE

GLT is surprisingly fire-resistant thanks to its natural insulating properties. It burns slowly and predictably, forming a protective char layer that shields the inner core. This charring can even help the timber self-extinguish, allowing GLT to maintain strength and stability under intense heat. As a result, structures built with GLT remain safer and more resilient in fire conditions, combining durability with peace of mind.

OUR BEAMS AT A GLANCE.

GLT is a strong, stable, and sustainable solution for modern construction. Engineered for performance and versatility, it offers impressive load-bearing capacity, dimensional accuracy, and design freedom across a wide range of applications. Depending on your project needs, GLT can be showcased as a striking architectural feature that celebrates the natural warmth of timber, or serve as a hidden structural powerhouse within floors, walls, and support systems.

BEAM LGL

LGL is a solid-wood alternative to LVL, engineered for superior strength, stability, and nail-holding power — H3 treated for lasting protection.

BEAM 15

As Hyne's strongest softwood beam, Beam 15 offers outstanding structural integrity — engineered to excel across long spans and under heavy loads.

BEAM 21

Made from sustainable Australian hardwoods, Beam 21 asserts itself in a crowd with its uniquely Australian looks combined with pure brawn.

THE HERO BEHIND EVERY GREAT BUILD.

BEAM

LGL

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

LGL – short for Laminated Glued Lumber – delivers the dependable strength and stability behind many great Australian builds. Designed as a solid-wood alternative to LVL, LGL combines precision engineering with natural performance to meet the demands of modern construction.

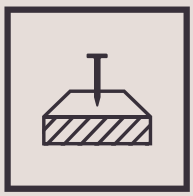
Straight, stable, and built to last in both indoor and outdoor environments, LGL is the go-to choice wherever nail-holding strength and reliability matter most. Whether it's under the floorboards, spanning a portal, or supporting the roof, LGL is quietly doing the heavy lifting – keeping structures strong, safe, and steady for years to come.

Indoor and outdoor applications

Available in Durability Class 4 for indoor and outdoor above-ground applications.

Solid-wood alternative to LVL

Ideal for lintels, joists, and bearers, LGL is an alternative to LVL.



Nail-holding strength

Engineered to not only hold high loads, but also a nail, making it easy to work with on-site.

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Responsible Wood

PEFC

Timber Framing The Ultimate Renewable

BEAM LGL TECHNICAL SPECIFICATIONS

Durability	Durability Class 4 (Above Ground) Timber Species	Available H3 treated for external, above-ground applications		
Profile	Straight			
Sizes	**44mm Thickness** 130, 150, 170, 200, 240, 300, 360	**65mm Thickness** 130, 150, 170, 200, 240, 300, 360		
	Lengths 1.8m to 12.0m in 0.3m increments available in QLD 2.4m to 12.0m in 0.6m increments available nationwide			
Design Properties - 44mm	**Bending (F_b)** 30MPa	**Tension (F_t)** 16MPa	**Shear (F_s)** 3.7MPa	**Density** 650kg/m^3
	Compression (F_c) 30MPa	**Modulus of Elasticity (E)** 13,300MPa	**Modulus of Rigidity (G)** 890MPa	**Joint/Strength Group** JD4, SD6
Design Properties - 65mm	**Bending (F_b)** 33MPa	**Tension (F_t)** 16MPa	**Shear (F_s)** 4.2MPa	**Density** 650kg/m^3
	Compression (F_c) 26MPa	**Modulus of Elasticity (E)** 13,300MPa	**Modulus of Rigidity (G)** 900MPa	**Joint/Strength Group** JD4, SD6

APPEARANCE GRADES

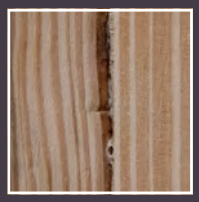
LGL is available in one finish grade as per AS 1328.1–2025.

Appearance Grade C

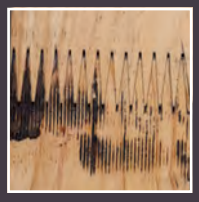
This grade is intended for use in applications where appearance is not important. All blemishes and voids are acceptable.

The following characteristics are acceptable within the specified appearance grade:

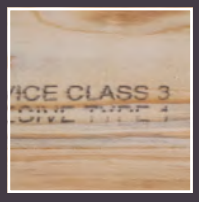
Knots



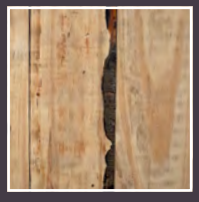
Want/Wane



Finger Joists



Product Stamps



Glue Marks

Production Marks

A MODERN
ALL ROUNDER.

BEAM 15

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

As Hyne's strongest softwood beam, Beam 15 delivers exceptional structural performance for projects that demand strength, precision, and reliability. Engineered to perform across long spans and critical load conditions, Beam 15 offers a premium alternative to LVL or even steel, combining high load capacity with the ease of working with timber.

Lightweight yet incredibly strong, Beam 15 is easy to cut, notch, or drill on-site, and is available in H2 or H3 treatment for a wide range of internal and external applications. Ideal for lintels, large window or door openings, garage spans, and roof beams, Beam 15 sets a new standard in engineered timber performance.

Indoor and outdoor applications

Available H2 or H3 treated for indoor and outdoor above-ground applications in Australia.

Solid-wood alternative to LVL

Beam 15 is Hyne's latest innovation in GLT; a premium alternative to LVL or steel.

High load applications

Ideal for lintels over large window and door openings, garage openings, or roof beams where spans over large spaces are dictated by design.

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Responsible Wood

PEFC™

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BEAM 15

TECHNICAL SPECIFICATIONS

Durability

Durability Class 4 (Above Ground) Southern Pine Timber Species

Available H2 treated for internal, above-ground applications

Available H3 treated for external, above-ground applications

Profile

Straight (made-to-order) or cambered to 600m radius

Sizes

65mm Thickness
130, 165, 195, 230, 260, 295, 330, 360, 395, 425, 460, 495

85mm Thickness
130, 165, 195, 230, 260, 295, 330, 360, 395, 425, 460, 495, 525

130mm Thickness
130, 165, 195, 230, 260, 295, 330, 360, 395, 425, 460, 495, 525

Lengths
1.8m to 12.0m in 0.3m increments available in QLD
2.4m to 12.0m in 0.3m increments available nationwide
Made-to-order depth up to 1200mm available on request

Design Properties - 65mm, 85mm

Bending (F_b)
38MPa

Tension (F_t)
20MPa

Shear (F_s)
4.2MPa

Density
650kg/m^3

Compression (F_c)
33MPa

Modulus of Elasticity (E)
15,500MPa

Modulus of Rigidity (G)
980MPa

Joint/ Strength Group
JD4, SD6

Design Properties - 130mm

Bending (F_b)
36MPa

Tension (F_t)
20MPa

Shear (F_s)
4.2MPa

Density
650kg/m^3

Compression (F_c)
33MPa

Modulus of Elasticity (E)
15,500MPa

Modulus of Rigidity (G)
980MPa

Joint/ Strength Group
JD4, SD6

BEAM 15

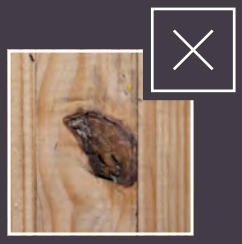
APPEARANCE GRADES

Beam 15 is available in two finish grades as per AS 1328.1–2025.

Appearance Grade A

This grade is intended for use in applications where the appearance of the member is important, clear or paint finishes are used, and all surface voids are filled or repaired. Unless otherwise specified, the surface is sanded to a minimum 60-grit finish.

The following characteristics are not acceptable for this Appearance Grade:



Knots/Voids >30mm (D)

Production Marks

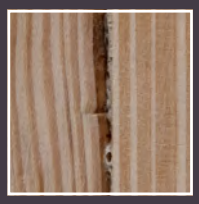
Product Stamps

Appearance Grade B

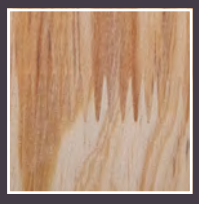
Intended for use in painted applications where surface appearance is important but a machine-planed finish is acceptable. The machining conforms to No.2 Dressed Surface Grade as defined in AS 2796. Occasional skips in the surface are permissible, and minor blemishes, voids, and manufacturing want are acceptable. The outermost laminates are free of loose knots and voids.

The following characteristics are acceptable for this Appearance Grade:

Knots

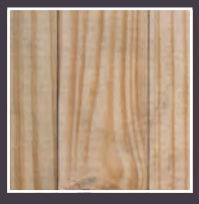


Want/Wane



Finger Joists

Product Stamps



Dark Glue Lines

Production Marks

STRENGTH
WHEN IT
MATTERS MOST.

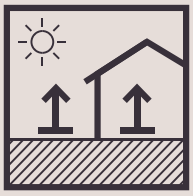
BEAM 21

- Queensland Spotted Gum or Mixed Hardwoods
- Australian grown
- Responsibly sourced
- Durability Class 1 for above-ground applications
- Straight or cambered profile
- Appearance Grade A or B

Crafted from sustainably managed Queensland hardwoods, Beam 21 combines natural beauty with exceptional strength and durability. Available in Appearance Grade A (Spotted Gum) or Appearance Grade B (Mixed Hardwoods), each beam showcases the distinctive grain and rich tones that define Australia's most resilient timbers.

Appearance Grade A beams in Spotted Gum offer natural bushfire resistance up to BAL-29 (AS 3959-2009) and maintain their structural integrity under extreme heat for longer than steel — an ideal choice for bushfire-prone regions. Appearance Grade B beams, produced from mixed Queensland hardwoods, deliver the same dependable performance and are assessed for bushfire suitability.

Naturally durable, termite-resistant, and PEFC Chain of Custody certified, Beam 21 embodies the strength, resilience, and character of Australian hardwood.

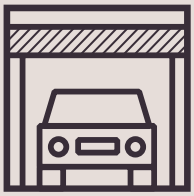


Indoor and outdoor applications

Available in Durability Class 1 for indoor and outdoor above-ground applications.

Visually expressed applications

Made from responsibly sourced Queensland hardwoods, Beam 21 is a design feature.



High load applications

Ideal for high load applications where spans over large spaces are dictated by design.

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Responsible Wood

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BEAM 21

TECHNICAL SPECIFICATIONS

Durability

Durability Class 2 (Above Ground) Timber Species, Durability Class 1 upon request

Naturally bushfire-resistant (BAL-29 rated timber species)
Naturally termite-resistant
Naturally durable

Profile

Straight or cambered to 600m radius

Fire Performance

Appearance Grade A
BAL29

Appearance Grade B
Bushfire assessment based on density is required

Sizes

65mm Thickness*
120, 155, 185, 215, 240, 280, 300, 315, 350, 380, 410

85mm Thickness*
120, 155, 185, 215, 240, 280, 300, 315, 350, 380, 410

Lengths
2.4m to 15.6m (in 0.3m increments)

Design Properties

Bending (F_b)
50MPa

Tension (F_t)
25MPa

Shear (F_s)
5.0MPa

Density
1000kg/m^3

Compression (F_c)
50MPa

Modulus of Elasticity (E)
21,000MPa

Modulus of Rigidity (G)
1,400MPa

Joint/ Strength Group
JD2, SD2

* Other sizes available upon request.

BEAM 21

APPEARANCE GRADES

Beam 21 is available in two finish grades as per AS 1328.1–2025.

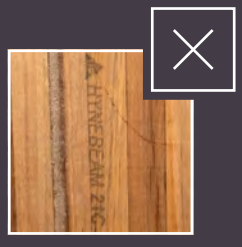
Appearance Grade A (Spotted Gum)

Appearance Grade A is produced from sustainably sourced Spotted Gum and is intended for use in applications where the appearance of the member is important, clear or paint finishes are used, and all surface voids are filled or repaired. Unless otherwise specified, the surface is sanded to a minimum 60-grit finish.

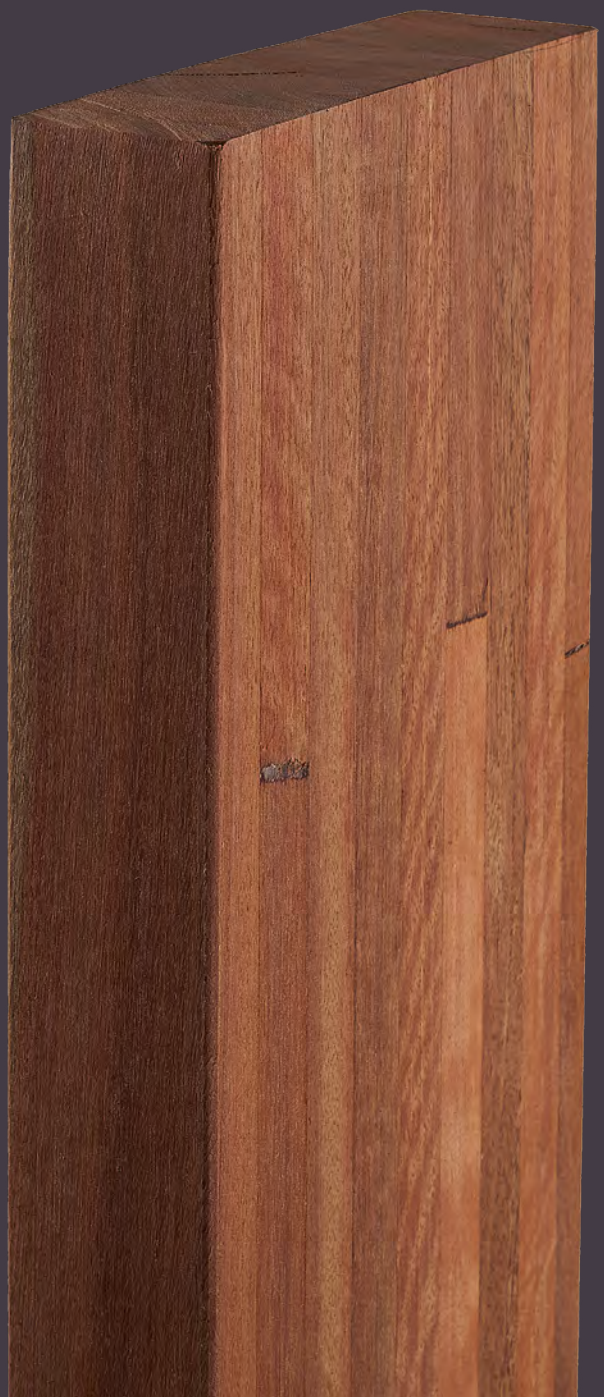
The following characteristics are not acceptable for this Appearance Grade:

Knots/Voids >30mm (D)

Production Marks



Product Stamps



Appearance Grade B (Mixed Hardwood)

Appearance Grade B is produced from sustainably sourced mixed Queensland hardwoods intended for use in painted applications where surface appearance is important but a machine-planed finish is acceptable. The machining conforms to No.2 Dressed Surface Grade as defined in AS 2796. Occasional skips in the surface are permissible, and minor blemishes, voids, and manufacturing want are acceptable. The outermost laminates are free of loose knots and voids. Hyne Timber glue-laminated products can be produced to this finish grade on application.

The following characteristics are acceptable for this Appearance Grade:

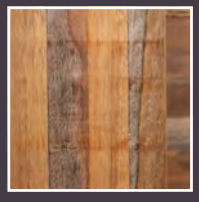
Knots/Voids

Gum Veins

Finger Joists

Product Stamps

Dark Glue Lines



Production Marks

THE GOOD STUFF IS ENGINEERED FOR THE LIFE OF YOUR STRUCTURE.

CERTIFIED TO APPROVED STANDARD

AS/NZS 1328.1: 98
LICENCE No 2757

Hyne GLT carries the S-Mark and is independently audited to ensure performance.

G-TEE 25 YEARS

We invest in precision from the beginning because in the end, every Hyne Timber beam is engineered to perform for the design life of your structure.

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.

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.

Perfectly aligned

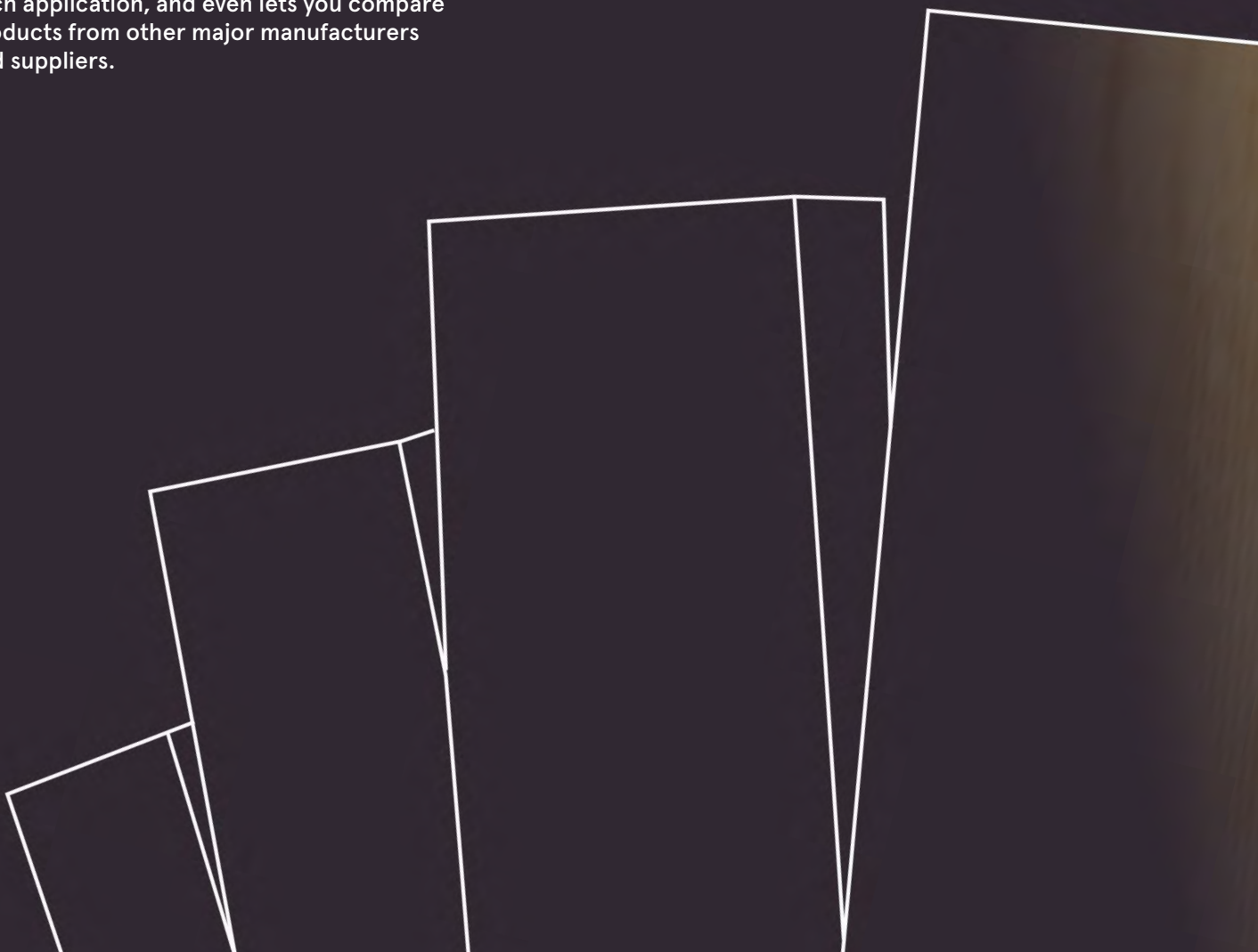
To ensure we use nothing but the good stuff in our GLT products, each length of timber is meticulously tested throughout its journey through the mill before moving to our state-of-the-art GLT manufacturing facility. Here, timber laminates are bonded together using structural adhesive and high pressure,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

hyne design

DESIGN WITH CONFIDENCE.

Hyne Design is a handy online tool for those designing timber structures. It is ideal for builders and engineers alike. The app completes complicated engineering equations for you, helps to specify the right products for each application, and even lets you compare products from other major manufacturers and suppliers.

Access Hyne Design.



Span tables

Keeping span tables in a spreadsheet is a thing of the past. Hyne Design takes your project's specific loads into account to generate accurate span tables for your build.

Reporting

If you need a report to understand member deflection or certification for your customers, Hyne Design can create it easily and accurately.

Bracing & tie-down calculations

Hyne Design calculators help you determine your bracing and tie-down requirements, giving you confidence in the integrity of your build.

Top to bottom design

From a floor joist to the entire frame, Hyne Design allows you to design all the structural members in your build.

HYNE TIMBER

To find out more about our products and what's right for your build, visit hyne.com.au

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BEAM LGL | BEAM 15 | BEAM 21

THE GOOD STUFF.

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This document supersedes all previous versions.