



## Mass Timber Building Solutions

We integrate design and structural engineering expertise with the manufacturing and provision of Mass Timber materials, such as CLT and GLT, to offer a seamless and comprehensive solution.



## Remaking the future with Mass Timber.



Arboreal is collaborating to accelerate the construction industry towards Mass Timber, championing the transition not only in South America but on a global scale. Our commitment to transforming construction practices emphasizes environmental stewardship, innovation, and the adoption of bio-based materials. By incorporating principles of the circular economy, we aim to minimize waste and maximize resource efficiency, leading the way towards a more sustainable and responsible future in construction.

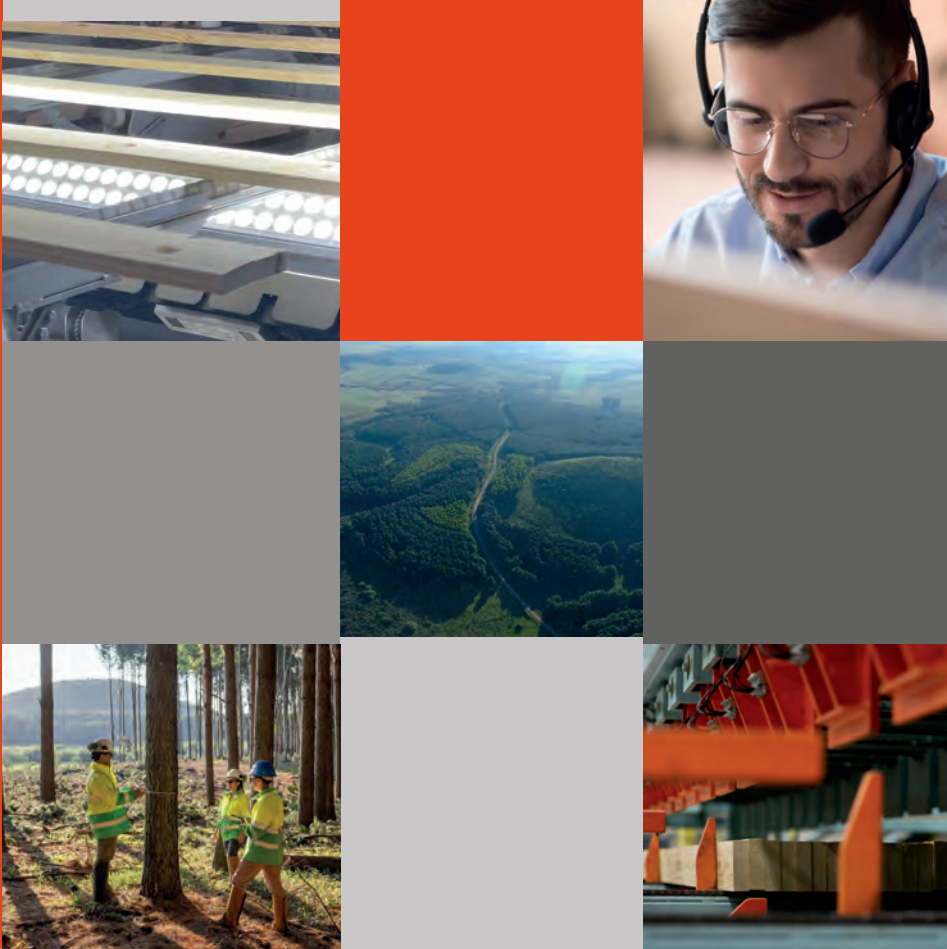


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**ARBOREAL.COM**



## Comprehensive Building Services

Arboreal is a vertically integrated company combining sawmilling, Mass Timber production, and building design, offering customizable and personalized building solutions.

## Offsite Construction Expertise

Our expert team integrates BIM for project efficiency, enhancing timely delivery and resource optimization. Our commitment to sustainability is embedded in every project, employing advanced fabrication technology for impactful, environmentally responsible construction.

## Sustainable Sourcing

Our distinct edge stems from our source of FSC® Yellow Pine. With certification across our entire chain of custody, we ensure sustainability and quality. In Uruguay, our fast-maturing trees guarantee a continuous supply of raw materials.



# CLT

## Cross Laminated Timber

Arboreal's Cross-Laminated Timber (CLT) stands out for its robustness and versatility, enabling the construction of complex structures with efficiency and precision, providing exceptional strength and stability, comparable to other materials such as steel and concrete. Its ideal for a variety of structural applications makes it an optimal choice for innovative architecture and engineering projects.



Our superior visual quality CLT brings natural beauty and unparalleled warmth to constructed spaces. The texture and tone and knot-free face of the wood visually enhance projects, creating inviting and aesthetically pleasing environments.

### SPECIFICATIONS

Customized layups based on structural finger jointed solid timber from FSC®-certified pine plantations from Uruguay, LATAM. The manufacture and quality control are according to European standard EN 16351:2021. Strength classes for layers according to EN 338 (C14 to C24)

- Layers: 3, 5 or 7. 9 layers can be made by special request.
- Total height: from 69 to 315 mm.
- Widths up to 3.5 m \*
- Lengths up to 12 m \*

\*12 m x 3.5 m is the maximum dimension of the press  
The final panel will have maximum dimension according to transport and cuts.

# GLT

## Glued Laminated Timber

Glued Laminated Timber (GLT), or glulam, is a versatile construction material recognized for its strength, durability, and the ability to create varied shapes through the bonding of wood layers with high-performance adhesives. This technique facilitates quick construction, supports customized designs, and is suitable for a broad spectrum of construction projects.



The advantage of our GLT is its customization flexibility, combined with superior visual quality of our wood. Its highly mechanical milling process enables a range of efficient joint options, including wood to wood and metal hardware joints.

### SPECIFICATIONS

Glued laminated timber made with structural finger jointed solid timber from FSC®-certified pine plantations from Uruguay. The manufacture and quality control are according to European standard EN 14080:2013. Strength classes according to EN 14080:2013 (GL22c, GL22h and GL24h)

- Layers thickness (mm): 35, 40 and 45.
- Total height (mm): up to 980.
- Widths (mm): 145 and 196 for a single piece.
- Lengths (m): up to 12.

## Structural Finger Jointed Solid Timber



### SPECIFICATIONS

Structural finger jointed solid timber made with machine strength graded timber from FSC-certified pine plantations from Uruguay. Wood species: Southern Yellow Pine, loblolly pine (*Pinus taeda*) and slash pine (*Pinus elliottii*). The manufacture and quality control are according to European standard EN 15497:2014. Strength classes according to EN 338 (C14, C22 and C24) Glue: PUR single component, cold curing. Surface: Planned (S4S) finished sizes:

- Thickness: 23, 35, 40, 45 mm
- Width: 147/198 mm
- Lengths: min 6 up to 12 m



## Strength Graded Structural Timber



### SPECIFICATIONS

Machine strength graded timber from FSC®-certified Southern Pine plantations, from Uruguay. Available in Rough Sawn or Surfaced 4 Sides (S4S) finishes. Wood species: Southern Yellow Pine, loblolly pine (*Pinus taeda*) and slash pine (*Pinus elliottii*). The manufacture and quality control are according to European standard EN 14081 parts 1 to 3. Strength classes according to EN 338 (C14, C16, C22 and C24)

Rough sawn timber sizes:  
• Thickness: 25/32/35/38/40/45/50 mm  
• Width : 100/150/200 mm  
• Length: 4.0/4.3/4.6/4.8 m

