



Cross-laminated timber made with structural finger-jointed solid timber from machine-graded pine boards obtained from FSC® certified plantations.

Wood species

Mix of Loblolly pine (*Pinus taeda*) and Slash pine (*Pinus elliottii*) from FSC-certified local plantations.

Manufacturing

The manufacture and quality control are according to European standard EN 16351:2021.

Applications

- Mass timber structures
- Slabs
- Walls
- Roofs

Sections

Layers	Thickness mm	Board configuration
3	69	23-23-23
3	93	35-23-35
3	105	35-35-35
3	115	35-45-35
3	125	45-35-45
5	115	23-23-23-23-23
5	127	23-23-35-23-23
5	139	35-23-23-23-35
5	151	35-23-35-23-35
5	163	35-35-23-35-35
5	175	35-35-35-35-35
5	195	45-35-35-35-45
5	215	45-45-35-45-45
7	173	23-23-23-35-23-23-23
7	233	35-35-35-23-35-35-35
7	255	35-35-35-45-35-35-35
7	275	45-35-35-45-35-35-45
7	295	45-45-35-45-35-45-45
7	315	45-45-45-45-45-45-45



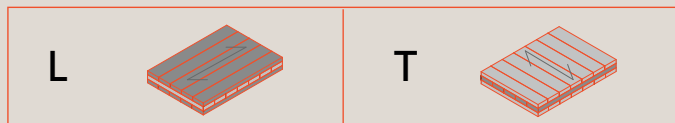
Certification

FSC® certified plantations, and our sawmill operate under a certified chain of custody. All forests are managed to strict environmental, social and economic standards.



Configuration

The CLT panels are made with the external layer following the main axis of the panel (namely longitudinal (L) or with the external layer perpendicular to the main axis of the panel, namely transversal (T).



Layers

The CLT panels can be made with 3, 5 or 7 layers.

Type

Thickness wise, the panels are symmetrical. Type "s" indicates that the CLT panel is made with standard orthogonal layup. Type "d" indicates that the first and second external layers are in the same direction.



Standards

- EAD130005-00-0304 (2015) Solid wood slab element to be used as structural element in buildings.
- EN16351:2021 Timber Structures – Cross laminated timber - Requirements.
- EN15425:2023 Adhesives - One component polyurethane (PUR) for load-bearing timber structures - Classification and performance requirements.
- EN14081-1:2016+A1:2020 Timber structures - Strength graded structural timber with rectangular cross section - Part 1: General requirements.
- EN14081-3:2022 Timber structures - Strength graded structural timber with rectangular cross section - Part 3: Machine grading; additional requirements for factory production control.
- EN 338:2016 Structural timber - Strength classes.

Visual quality

Visual quality can be "N" (Non-visual) for panels with knots, pith and resin pockets in the face, or "S" (Superior) for panels with clear face. Non-visual is normally covered on-site, depending on the aesthetic requirements.

Sizes tolerances

According to European standard EN 16351:2021.

Structural adhesive

- Single-component PUR. cold-curing structural adhesive.
- In accordance with EN 15425 I 90 GP 0.3 w.
- Free of organic solvents or formaldehyde.
- Resistant to water, weak acids and bases, and organic solvents.

Nomenclature

