

GLUED LAMINATED TIMBER (GLULAM) for outdoor use

Composition: Planed solid wood slats sorted for structural use, treated in a vacuum and pressure autoclave, dried, fixed and glued end-to-end using a "finger-jointing" machine, before being piled one on top of the other and glued together to provide the desired thickness.

Possible option: final treatment phase to increase resistance in highly exposed environments; green or brown colour on request.

Current offer:

Common thicknesses (mm)	Common heights (mm)	Common lengths (m)	Common quality (mechanical)	Common options (appearance)
75 90 140	90 140 190 210 280 315 (multiples of 35 mm)	Up to 13 m (depending on the manufacturer)	GL24h (according to NF EN 1194)	Option 2

Timber thickness and heights may vary depending on the supplier

Hewing on request (numeric control machining centres)

Certifications/Labels:

Regulatory **CE** marking
PEFC certified timber on request



The **ACERBOIS GLULAM** quality marking is also available, which attests to the product's adherence to glulam manufacturing requirements. Other quality-control processes can also be implemented, including an **ISO** type approach.

Reference standards:

NF EN 385 et NF EN 386: minimum manufacturing requirements
NF EN 14080: requirements for CE marking
NF B 52-001-2: visual grading of structural glulam
NF EN 1194: glulam resistance class
NF B50-105-3 "Timber durability – Performance"
DTU 31.1 "Timber framing and staircases" (NF P 21-203)

Applications:

Uses for glulam are divided into 3 service classes (see NF EN 386 – Not to be confused with class)

Autoclaved pine glulam can be used up to **service class 3**, or structures where the balanced humidity of the wood may exceed 20% (exposed outdoor structures)

Of course, glulam that has not been treated in an autoclave is also available for indoor uses.

However, insecticidal treatment is compulsory in France for structural timber if the timber cannot be "monitored"