Woodbridge Timber

**PRODUCT** DATA SHEET

# As part of our **product portfolio** we are able to supply **Laminated Timber beams (Glulam).**

Glulam is produced by gluing laminates of timber together under pressure and heat. With the raw material being precisely planed the resulting product is not only strong and stable but also aesthetically pleasing, therefore giving it significant advantages over other structural materials.

GLULAM

Some of the many benefits of using Glulam beams:-

- **Light to handle and transport.**
- **Economical when compared to other products such as Steel and Concrete.**
- **Due to the products strength it has a large load bearing capacity meaning large spans are achievable.**
- **Dimensionally stable due to the production process.**
- **Easy to use. Production and processing of beams can be customised to sizes and lengths as required.**
- **Fire resistant.**
- **Durable and resistant to corrosive elements.**
- **Aesthetically pleasing with a natural appearance (which can be altered with stains/treatments).**
- **Environmentally certified (PEFC chain of custody).**
- **Energy conserving. A larger amount of energy is required to produce similar structural products.**
- **Sound absorbing with good insulating properties.**

Glulam is not only a popular choice for its aesthetic and environmental attributes, it is also favourable due to its versatility of use for roof trusses and joists in the construction of arenas, swimming pools, schools and domestic dwellings.

A Division of the James Walker Group

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Please find below product specification details for Glulam Beams we supply.

## PRODUCT DATA MATRIX

| Data/Info | Grade (or equivalent) | | | |
|---|---|---|---|---|
| | GL24 | GL28 | GL32 | GL36 |
| Assembly | combined ("c") or homogeneous ("h") | | | |
| Wood Species | Spruce | | | |
| Manufacture | In accordance with EN386 / EN 14080 | | | |
| Finger Jointing | In accordance with EN 385 | | | |
| Moisture Content | 12% (+/- 2) | | | |
| Grading | In accordance with EN 14081 or DIN 4074-4 | | | |
| Grading Class (EN 14081) | L25 | L30 | L36 | L40 |
| Lamella Thickness | 40mm | | | |
| Gluing | Melamine formaldehyde resin, light, non darkening joints | | | |
| Surface Quality | Surfaced on four sides, chamfered, visual quality or industrial quality | | | |
| Packaging | In packets, foiled if requested | | | |
| Dimensions in stock | on request | | | |
| Width/mm (in 20mm steps) | 38/45/60/80/90 - 260 (upto 480mm on request) | 60/80/90 - 260 (upto 600mm on request) | 60/80/90 - 260 (upto 600mm on request) | 60/80/90 - 260 (upto 600mm on request) |
| Height/mm (in 40mm steps) | 100 - 640 (upto 1280 on request) | 100 - 640 (upto 2000 on request) | 100 - 640 (upto 2000 on request) | 100 - 640 (upto 2000 on request) |
| Length (m) | 12/13.5m (6.5 - 32 on request) | 12/13.5m (6.5 - 32 on request) | 12/13.5m (6.5 - 32 on request) | 12/13.5m (6.5 - 32 on request) |
| External Monitoring | Holzforschung Austria, FMPA Stuttgart, NTI Oslo | | | |
| Combustion behaviour | 0.7mm/min | | | |
| Emission Category | E1 | | | |
| Dimension Tolerance | Width: +/- 2mm<br>Height: +/- 2mm<br>Length: +/- 5mm | | | |
| Swelling & Shrinking (per % changing of moisture content) | Axial: 0.01 - 0.02%<br>Radial: 0.19%<br>Tangential: 0.34% | | | |
| Heat Conductivity | 0.13w/(mK) | | | |

DISCLAIMER: Information supplied is correct at time of print. Woodbridge Timber accept no responsibility for errors and/or omissions. Content is subject to change.

## WBT ACCREDITATIONS

UKTFA Q Mark Supplier
TFA Member
PEFC Certified.
FSC Certified.

## CONTACT US

Please Contact our sales team at Woodbridge Timber with any enquiries or questions. We look forward to hearing from you.


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