




Passion for timber

GLULAM



PHILOSOPHY

Wood is the construction material with the longest tradition in the building industry. Wood is once again en vogue because of the modern development of the material as well as the ever-present themes like the environment, sustainability and energy-efficient construction. Glulam products are especially versatile and great for constructing modern, ambitious and economic structures.



GLULAM



Product range

- ≡ Species: Spruce wood
- ≡ Strength classes: GL24c / GL24h, GL28c / GL28h on request, GL30c, GL32c
- ≡ Quality: visible quality industrial quality
- ≡ Length: minimum length 6 m / maximum length 24 m
- ≡ Width: 60 to 240 mm (in 20 mm steps), 6/8 widths: made from split timber
- ≡ Heights: up to 1,280 mm in steps of 40 mm, intermediate heights on request
- ≡ Lamella thickness: approx. 40 mm
- ≡ Dimensional tolerance: width/height: ± 2 mm (on delivery), Length - 0 / + 10 mm
- ≡ Cuts: ± 1 mm on request
- ≡ Surface: planed on 4 sides, bevelled longitudinal edges
- ≡ Wood moisture content: $u = 12 \pm 2$ %
- ≡ Glueing: melamine resin glue, light-coloured glue joint, waterproof
- ≡ Raw density: approx. 450 kg/m³
- ≡ Packaging: wrapped in packages/individually wrapped on request
- ≡ Monitoring institutes : MPA Stuttgart/Holzforschung Austria
- ≡ Usage classes: NK1, NK2, NK3
- ≡ Product standard: production in accordance with EN 14080, Finger-jointing as per EN 385
- ≡ Machine grading: as per EN 14081

Features

- ≡ Reliable: material with precisely defined strength and quality
- ≡ Standardized: high availability due to standardized cross sections
- ≡ Economic: the high load capacity combined with low weight make light and economic construction possible
- ≡ Stable in form: due to the multiple layers of glued wood, the products are stable in form, durable and easy to process and have a wide range of applications
- ≡ Chemically resistant: wood is naturally resistant to corrosion, and glulam is therefore particularly suitable for constructions that are subjected to chemicals
- ≡ High resistance to fire: reliable and safe compared to other construction materials
- ≡ 100 % natural construction material: makes for comfortable and pleasant room climate

GLULAM ELEMENTS



Major advantages

Glulam elements for massive wood roof, ceiling and wall constructions.

- Low weight combined with high durability
- Suitable for shear diaphragm construction
- Light constructions compared to for example wooden beam constructions
- Clean design
- Pleasant room climate due to the diffusible materials
- Easy to process
- Dry construction
- Fast assembly times due to prefabrication

Profile types

	Single groove	Single groove with rebate	Double groove	Single groove with rebate
Height	80 – 240 mm (in 20 mm steps)	100 – 240 mm (in 20 mm steps)	120 – 240 mm (in 20 mm steps)	140 – 240 mm (in 20 mm steps)
Groove depth	25 mm	25 mm	25 mm	25 mm
Groove height	20,5 mm	20,5 mm	20,5 mm	20,5 mm
Rebate depth		50 mm		50 mm
Rebate height		20 mm		20 mm

	Tongue and groove	Tongue and groove with rebate	Double tongue and groove	Double tongue and groove with rebate
Height	60 – 140 mm (in 20 mm steps)	80 – 140 mm (in 20 mm steps)	160 – 240 mm (in 20 mm steps)	160 – 240 mm (in 20 mm steps)
Groove depth	25 mm	25 mm	25 mm	25 mm
Groove height	20,5 mm	20,5 mm	20,5 mm	20,5 mm
Rebate depth		50 mm		50 mm
Rebate height		20 mm		20 mm

FACTS



Capacity & capability

The Pfeifer Group started producing highest quality glulam products at the Imst location in 1985. With a production capacity of approximately 200.000 m³, we are one of Europe's leading manufacturers.

Quality

Our internal quality control system ensures compliance with our high standards of quality. Furthermore, the quality of our production is also continuously monitored by two external organizations: Institute MPA Stuttgart and the Holzforschung Austria Wien.

Environment

We harvest our timber from sustainably managed forests (PEFC / FSC). The use of wood binds the harmful greenhouse-gas CO₂ long term and thus has a strong emission-reducing effect.

Logistics

Our products are available in more than 75 countries around the world, and we therefore have a well-established logistical network.



Das Zeichen für verantwortungsvolle Waldbirtschaft
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