



binderholz **GLULAM PRODUCT RANGE**

STRAIGHT BEAMS

Glulam is manufactured as standard units, in any length, dimension, strength class and surface quality based on customer requirements.

Wood Species	Spruce
Strength classes	GL 24, GL 28, GL 32, GL 36
Quality	Top visual quality, industrial quality
Gluing	Modified melamine resin - water-resistant, light
Width	60 mm to 480 mm (in 20 mm steps, double-gluing for 280 mm and above)
Height	Up to 2,000 mm (in 40 mm steps)
Length	Up to 32 m



GLULAM ELEMENTS

Glulam elements for use in roofs, ceilings and walls are produced in a great variety of designs

Wood Species	Spruce
Strength classes	GL 24, GL 28, GL 32, GL 36
Quality	Top visual quality, industrial quality
Width	80 - 260 mm
Height	Standard 600 mm to 640 mm, possible up to 1,280 mm
Length	Up to 18 m



Available Profiles			
Groove with shadow gap	Groove and rebate	Groove	Rebate
Groove and tongue	Groove and tongue with rebate	Double groove and tongue	Double groove and tongue with rebate



GLULAM - SPECIAL SHAPED BEAMS

Beam types such as curved or sloped beams in all strength classes and surface qualities

Wood Species	Spruce
Strength classes	GL 24, GL 28, GL 32, GL 36
Quality	Top visual quality, industrial quality
Gluing	Modified melamine resin – water-resistant, light
Width	100 - 480 mm (double glued beams for 280 mm and above)
Height	Up to 2,000 mm
Length	Up to 32 m

Glulam - special components	
Sloped beams with straight bottom chord	
Sloped beams with arched bottom chord	
Curved beams	
Pre-cambered beams	
Trussed beams	
Trusses	
Free shapes	
Double glued beams	

ADDITIONAL SERVICES

Technical advice and implementation planning

CNC Machining

From single cuts right up to construction sets of materials ready for assembly

Surface treatment

Impregnation and coating possible

Fasteners

Can be supplied on request

Transport

Organisation of abnormal loads, necessary approvals and escort vehicles

Statics

Pre-dimensioning and verifiable statics available on request

Technical data	GL 24	GL 28	GL 32	GL 36
Assembly	Combined (c)/ homogenous (h) on request			
Wood Species	Spruce			
Manufacture	In accordance with ÖNORM EN 386 and EN 14080			
Finger jointing	In accordance with EN 385			
Moisture content	12 ± 2%			
Mechanical grading	In accordance with EN 14081 or EN 4074			
Grading classes to EN 14081	L25	L30	L36	L40
Lamella thickness	40 mm			
Gluing	Modified melamine resin, light non darkening			
Surface qualities	Planed on 4 sides, chamfered edges, top visual quality, non visual (industrial) quality			
Packaging	Type of package, can be individually wrapped on request			
External monitoring	By independent test institutes - Holzforschung Austria (twice a year), MPA Stuttgart			
Combustion behaviour	0.7 mm/min			
Emission category	E1			
Dimension tolerance	Width tolerance ± 2 mm			
	Height tolerance ± 2 mm			
	Length tolerance ± 5 mm			
Material category (DIN 4102)	B2 (normally inflammable)			
Fire behaviour	D- S2, d0			
Swelling and shrinking (per % changing of moisture content)	Axially: 0.01-0.02%			
	Radially: 0.19%			
	Tangentially 0.34%			
Heat conductivity	0.13 W/(mK)			
Water vapour resistance coefficient μ	40			

CERTIFICATES

EN 14080 Glulam
 ÖNORM EN 386 Glulam
 ÖNORM DIN 4074-4
 JAS
 Gluing approval A
 Approval certificate



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