

# SENIOR HYBRID SYSTEMS CURTAIN WALL SPRUCE GLULAM SPECIFICATION STRENGTH CLASS GL 24h



## DIMENSIONAL TOLERANCES AT A MOISTURE CONTENT OF 12%

Dimensions	Range	Tolerance
Width	All	± 2mm
Depth	$h \leq 400\text{mm}$	+4mm and -2mm
	$h > 400\text{mm}$	+1.0% and -0.5%
Length	$h \leq 2\text{m}$	± 2mm
	$2 \leq h \leq 20\text{m}$	± 0.1%
	$h > 20\text{m}$	± 20mm

## CHARACTERISTIC VALUES TO BE USED IN DESIGN ACCORDING TO EUROCODE 5

Property	Strength Class -Homogenous GL 24h
Bending Strength (N/mm <sup>2</sup> )	24
Tension Strength (N/mm <sup>2</sup> )	
- parallel to grain	16.5
- perpendicular to grain	0.40
Compression Strength (N/mm <sup>2</sup> )	
- parallel to grain	24.0
- perpendicular to grain	2.7
Shear Strength (N/mm <sup>2</sup> )	2.7
Modulus of Elasticity (N/mm <sup>2</sup> )	
- parallel to grain (mean)	11600
- parallel to grain (5% fractile)	9400
- perpendicular to grain (mean)	390
Shear modulus (N/mm <sup>2</sup> )	720
Density (Kg/m <sup>3</sup> )	380