

Solid Timber Made of Swiss Timber C24



Grading classes:	C24 unless otherwise agreed Other grading classes on request		
Tree species	Spruce & fir		
Cross section [mm]:	Dimensions according to catalogue		
Lengths:	According to catalogue, up to 13.00 m		
Surface:	Raw or planed		
Dip -varnishing	Colourless, up to 10.00 m max.		
Weight:	5.0 kN/m ³ (according to SIA ¹ standard 261)		
Moisture content:	Just sawn Kiln dried to approx. 18% ± 2%		
Calculated values C24: SIA 265, $\eta_w = 1.0$, $\eta_t = 1.0$	Bending strength	$f_{m,d}$	= 14.0 N/mm ²
	Shear strength	$f_{v,d}$	= 1.5 N/mm ²
	Modulus of Elasticity	$E_{m,mean}$	= 11.0 kN/mm ²
Building-physics characteristics:	Thermal conductivity	λ	= 0.14 W/mK Specific
	heat capacity	c	= 2.0-2.4 kJ/kgK
	Steam conductivity	λ_D	= 0.035-0.015 mg/mhPa
	Water vapour diffusion resistance	α	= 20-40
Fire rating:	4.3		

¹SIA is the Swiss professional association of engineers and architects.

For certificates and approvals see: www.schilliger.ch/products

Dip-varnishing of construction timber:

Arbezol Bauholz IV:	Colourless timber preservative, particularly designed for dipping methods for the preventive protection of construction and sawn timber. Approved for timber in food and feedlots Lignum quality control mark.
Arbezol Wolsin:	Combined with Arbezol Bauholz IV. Effective against blue stain and other mould fungi. Approved for agricultural buildings.