

Product	Wooden formwork H20 beams			Extrabeam H20
Wood species	Spruce			
Wood moisture	12 % +/- 2 % at delivery			
Weigth	4,5 kg/m			
Gluing	Melamine resin-based adhesive, adhesive type I EN 301-approved for gluing of load bearing timber component			
Surface protection	The beam is waterproofed using a water repellent color glaze			
Chord	<ul style="list-style-type: none"><li>•Made of carefully selected spruce wood</li><li>• Finger-jointed, solid wood cross-sections with a dimension of 80 x 40 mm</li><li>• Finger-jointing of the chords</li><li>• Web milling on the opposing side of the core (left-sided chord surface)</li><li>• Planed and chamfered to approx. 0.4 mm</li></ul>			
Web	3-ply solid wood panel, laminated primarily showing vertical growth rings			
Surface protection	Treatment of entire beam using a water-resistant color stain			
Support	Due to the 3-ply solid wood webs, Extrabeam H20 can be cut into and supported at any length			
Dimensions and tolerances	Dimension	Value	Tolerance	
	Beam height	200 mm	± 2 mm	
	Chord height	40 mm	± 0,6 mm	
	Chord width	80 mm	+ 0,8 mm / - 1,2 mm	
	Web thickness	28 mm	± 1 mm	
	a) These values apply at a wood moisture content of 12 % ± 2%			
Technical specifications	Strains	Permissible stress values	Characteristic limits of load-bearing capacity	
	Shearing force	ZUL Q = 11,0 kN	V <sub>k</sub> = 23,9 kN	
	Bending moment	ZUL M = 5,0 kNm	M <sub>k</sub> = 10,9 kNm	
	Support	-	R <sub>b,k</sub> = 47,8 kN	
	Moment of inertia	EI= 486 kNm <sup>2</sup>		
	Elasticity modulus	E = 10.000 N / mm <sup>2</sup>		
	Shearing modulus	G = 600 N / mm <sup>2</sup>		
Standard lengths	1,95 / 2,45 / 2,65 / 2,90 / 3,30 / 3,60 / 3,90 / 4,50 / 4,90 / 5,90 / max. 6 m			
Packaging	Standard packaging: 50 pcs package / Container packaging: 100 pcs package The packages are ready to be immediately used at the construction site. The package is placed on supporting wood, protecting the formwork beams and provides simple use with forklift.			