

Product	Wooden formwork H20 beams		
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"> • Made of carefully selected spruce wood • Finger-jointed, solid wood cross-sections with a dimension of 80 x 40 mm • Finger-jointing of the chords • Web milling on the opposing side of the core (left-sided chord surface) • Planed and chamfered to approx. 0.4 mm 		
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%		
b) According to standard SIST EN 13377:2002			
Technical specifications	Qualities	DIN1052-1:1988-04	DIN1052:2008-12 / Eurocode 5
	Strains	Permissible stress values	Characteristic limits of load-bearing capacity
	Shearing force	ZUL Q = 11,0 kN	V _k = 23,9 kN
	Bending moment	ZUL M = 5,0 kNm	M _k = 10,9 kNm
	Support	-	R _{b,k} = 47,8 kN
	Moment of inertia	EI = 486 kNm ²	
	Elasticity modulus	E = 10.000 N / mm ²	
	Shearing modulus	G = 600 N / mm ²	
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		