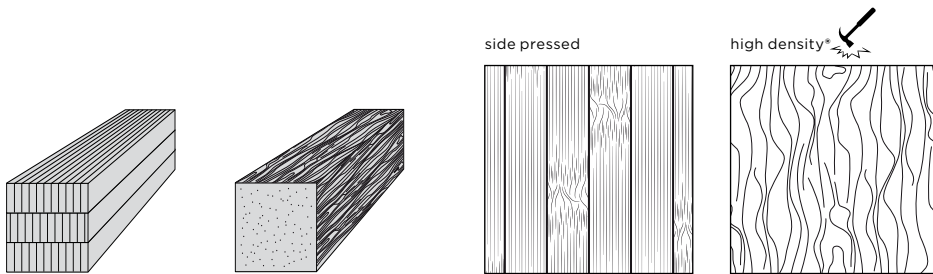


# solid beam (indoor)

With the introduction of the MOSO® bamboo solid beam, bamboo can now also be applied in several (semi) structural applications such as window- and doorframes, where typically (expensive) scarce tropical hardwood is used. Unlike hardwood, the MOSO® bamboo solid beam is a very regular material in terms of stability and structure (no knots, no resins coming out) and is therefore easy to process. The maximum length of the beam is 2440mm but by using finger joints any length can be created. The MOSO® beams are available in the colours caramel and natural, in both the extra hard high density version (tropical hardwood look - random line pattern) and the side/plain pressed version (regular line pattern with bamboo nodes visible). Especially in the latter version, due to the construction in various layers, very beautiful line patterns come out after milling.



SP: Side Pressed, HD: High Density\*  
\*) Fine sawn

Natural	Caramel	Style	Construction (mm)	Dimensions (mm)
BL-200	BL-250	SP	3x18.3	2440x55x55
	BL-260-244	SP	5x20	2440x120x100
	BL-261-244	SP	6-20-20-20-6	2440x120x72
	BL-262-244	SP	3x20	2440x120x60
	BL-DT260-244*	HD	1x100	2440x120x100
	BL-DT261-244*	HD	1x72	2440x120x72
	BL-DT262-244*	HD	1x60	2440x120x60

Other dimensions available on request.

## technical characteristics

- Density (Product): +/- 700 kg/m<sup>3</sup> (SP), +/- 1050 kg/m<sup>3</sup> (HD)
- Shrink/Swell: 0.14% per 1% change in Moisture Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity  
8% at 20°C and 50% rel. Air Humidity
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP),  
≥ 9.5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Formaldehyde emission: Class E1 (< 0.124 mg/m<sup>3</sup>) (EN 717-1)
- Modulus of Elasticity: +/- 12505 N/mm<sup>2</sup> (HD) (EN 408)  
Breaking strength: 65.4 N/mm<sup>2</sup> (HD) (EN 408)
- Use Class: Class 1 (EN 335)
- Glue: D3 water resistant
- FSC\*: Products available with FSC\* certification on request.
- Contribution LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC\*), EQ2  
v2009: MR 6, MR 7 (FSC\*)
- Contribution BREEAM: HEA 2, MAT 1, MAT 3 (FSC\*), MAT 5 (HD)



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