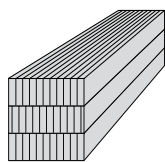
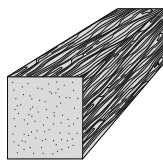


# MOSO® Bamboo Solid Beam (indoor)

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 and is therefore easy to process. The standard length of the beam is 2440 mm 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.



Side Pressed



High Density\*

Side Pressed  
Natural/Caramel



High Density®  
Natural/Caramel



\*) Attention: this product is 'fine sawn', so a rough, irregular surface is normal. The final (smooth) look will be obtained after processing.

Natural	Caramel	Style	Construction (mm)	Dimensions (mm)
BL-200-244	BL-250-244	Side Pressed	3x18.3	2440x55x55
	BL-260-244	Side Pressed	5x20	2440x120x100
	BL-261-244	Side Pressed	6-20-20-20-6	2440x120x72
	BL-DT260-244*	High Density®	1x100	2440x120x100
BL-DT211-244*	BL-DT261-244*	High Density®	1x72	2440x120x72

Other dimensions available on request.

## technical characteristics and certifications

- Density (Product): +/- 700 kg/m<sup>3</sup> (SP), +/- 1050 kg/m<sup>3</sup> (HD)
- Shrink/Swell bamboo: 0.14% per 1% change in Moisture Content (SP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity  
8% at 20°C and 50% rel. Air Humidity (SP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP),  
≥ 9.5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Reaction to fire: Class D-s1-d0<sup>1)</sup> (SP), Class C-s1-d0 (>1050 kg/m<sup>3</sup>)<sup>2)</sup> (HD),  
Class B-s1-d0 (>1150 kg/m<sup>3</sup> available on request)<sup>2)</sup> (HD) (EN 13501-1)
- Formaldehyde emission: Class E1 (< 0.124 mg/m<sup>3</sup>) (EN 717-1)
- Modulus of Elasticity: +/- 9721 N/mm<sup>2</sup> (SP), +/- 8866 N/mm<sup>2</sup> (PP),  
+/- 12505 N/mm<sup>2</sup> (HD) (mean value - EN 408)
- Bending strength: +/- 56.7 N/mm<sup>2</sup> (SP), 50.8 N/mm<sup>2</sup> (PP), 65.4 N/mm<sup>2</sup> (HD)  
(characteristic value - EN 408)
- Use Class: Class 1 (EN 335)
- Glue: D3 water resistant
- CO<sub>2</sub> neutral: LCA report TU Delft (ISO 14040/44) ([moso-bamboo.com/lca](http://moso-bamboo.com/lca))
- Environmental Product Declaration - EPD (EN 15804) ([moso-bamboo.com/epd](http://moso-bamboo.com/epd))
- 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)

<sup>1)</sup> Tested on 40 mm thickness, as panel, with ventilation space behind boards.

<sup>2)</sup> Tested on 18 mm thickness, without gaps between boards, with ventilation space behind boards.



breeam



The mark of  
responsible forestry  
FSC® C002063