

MOSO® Bamboo Solid Beams

With MOSO® Bamboo Solid Beams, bamboo can be applied in several decorative covering applications and also (semi) structural applications such as window- and doorframes, where typically tropical hardwood is used. Unlike hardwood, the MOSO® Bamboo Solid Beam is a very regular homogeneous material in terms of stability and structure and is therefore easy to process. The standard length of the beam is 2440 mm, for longer lengths finger jointing or the structural Bamboo N-finity beams provide solutions. The MOSO® Beams are available in 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.



More about MOSO® Bamboo Colours at ► www.moso-bamboo.com/colours

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

Natural	Ecu	Caramel	Style	Construction (mm)	Dimensions (mm)
BL-200-244	BL-300-244	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/m³ (SP), ± 1050 kg/m³ (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/mm² (SP), ± 9.5 kg/mm² (HD) (average value - EN 1534)
- Reaction to fire: Class D-s1-d0¹⁾ (SP), Class C-s1-d0 (>1050 kg/m³)²⁾ (HD), Class B-s1-d0 (>1150 kg/m³ available on request)²⁾ (HD) (EN 13501-1)
- Formaldehyde emission: Class E0 (< 0.025 mg/m³)³⁾, Class E1 (< 0.100 mg/m³, EN 717-1), Class E1 (E05) (< 0.050 mg/m³, EN 16516)
- Modulus of Elasticity: ± 9721 N/mm² (SP), ± 8866 N/mm² (PP), ± 12505 N/mm² (HD) (mean value - EN 408), Bending strength: ± 56.7 N/mm² (SP), 50.8 N/mm² (PP), 65.4 N/mm² (HD) (characteristic value - EN 408)
- Use Class: Class 1 (EN 335)
- Glue: D3 water resistant
- CO₂ neutral: LCA report TU Delft (ISO 14040/44) (moso-bamboo.com/lca)
- Environmental Product Declaration - EPD (EN 15804) (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)

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

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

³⁾ E0 class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 class according EN 717-1.

Also available with FSC® certification.



The mark of responsible forestry
FSC® C002063



breeam