

MOSO® Bamboo N-finity Indoor

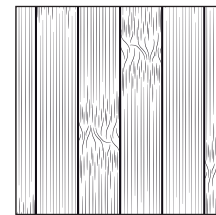


MOSO® Bamboo N-finity Indoor Beams are solid bamboo construction beams developed for structural applications*. The bamboo strips are connected with a special patented hook connection on strip level. Bamboo N-finity has been tested for its mechanical properties (bending, tension, compression, shear) and can be used as a structural beam. The standard range consists of 4 different cross-sections with a length of 5800 mm. The beams are available on request in maximum dimensions of 12.000 x 200 x 120 mm. This product is suitable for interior use in curtain wall systems as well as for window- and door frames.

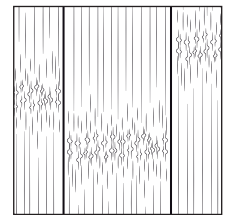
BL-IL957-580



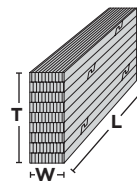
Side Pressed



Plain Pressed



Product Code	Edges	Dimensions L x W x T
BL-IL955-580	Square	5800 x 51 x 161 mm
BL-IL957-580	Square	5800 x 61 x 161 mm
BL-IL456-580	Square	5800 x 86 x 72 mm
BL-IL556-580	Square	5800 x 86 x 82 mm



Please note

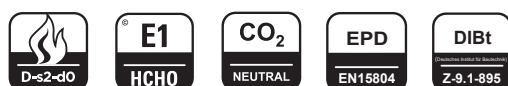
- Attention: The surface of this product is fine-sawn (unfinished) and can be further processed at any time if a fine, smooth surface is required.
 - Other dimensions can be produced custom made: maximum beam size 12.000 x 200 x 120 mm or 12.000 x 120 x 200 mm.
- *) The structural performance depends on the specific design of the application. In Europe structural use in buildings always has to be certified by an independent, accredited test institute.

Technical characteristics and certifications

- Density: ± 700 kg/m³
- Shrink/Swell: 0.14% per 1% change in Moisture Content
- Moisture content: 10% at 20°C and 65% relative humidity, 8% at 20°C and 50% relative humidity
- Brinell Hardness: ± 4 kg/mm² (average value - EN 1534)
- Reaction to fire: Class D-s2-d0 (EN 13501-1)
- Formaldehyde emission: Class E0 (< 0.025 mg/m³)¹⁾, 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) (EN 408)
- Bending strength: ± 56.7 N/mm² (SP), ± 50.8 N/mm² (PP) (EN 408)
- DIBt (Deutsches Institut für Bautechnik) certification: Z-9.1-895
- Use Class: Class 1 (EN 335)
- Glue: D4 Water resistant
- CO₂ neutral: LCA report TU Delft (ISO 14040/44) (www.moso-bamboo.com/lca)
- Environmental Product Declaration - EPD (EN 15804) available at www.moso-bamboo.com/epd
- FSC®: FSC® certified products available on request.
- Contribution LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC®) v2009: MR 6, MR 7 (FSC®)
- Contribution BREEAM: HEA 2, MAT 1, MAT 3 (FSC®)

¹⁾ 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