

MOSO[®] Bamboo N-vision Round Beams

✦ Skidmore, Owings & Merrill LLP (SOM)
✦ Lindner Group
✦ Larsen & Toubro



MOSO® Bamboo N-vision Round Beams (indoor)

The MOSO® Bamboo N-vision Round Beams consist of multiple bamboo strips laminated together to create a hollow round beam or solid round beam. The strips are carbonised before processing to give the material a warm Ecu colour and to increase the stability. Both ends of the hollow Bamboo N-vision Round Beam are closed and inserts are placed at several points throughout the hollow round beam to strengthen it. Bamboo N-vision Round Beams are available unfinished or finished with a matt PU coating on request. The standard length is 2900 mm with a fixed range of diameters. Other lengths or different diameters can be produced custom made.

Solid round beam



Hollow round beam***

Ecu
Side Pressed

Unfinished*	Version	Style	Dimensions** (mm)
BL-SPT150-2900***	Hollow	Side Pressed	2900 x Ø 80
BL-SPT152-2900	Solid	Side Pressed	2900 x Ø 80
BL-SPT160-2900***	Hollow	Side Pressed	2900 x Ø 60
BL-SPT162-2900	Solid	Side Pressed	2900 x Ø 60
BL-SPT172-2900	Solid	Side Pressed	2900 x Ø 40
BL-SPT182-2900	Solid	Side Pressed	2900 x Ø 30
BL-SPT187-2900	Solid	Side Pressed	2900 x Ø 25

*) Bamboo N-vision Round Beams can be finished with a matt PU coating on request.

**) Other lengths or different diameters can be produced custom made.

***) The hollow Bamboo N-vision Round Beams are available on request.

processing instructions summary

- Advised room conditions: temperature approx. 21°C. Air humidity 40-65%.
- Sawing is possible with regular wood processing tools.

technical characteristics and certifications

- Density (Material): ± 700 kg/m³
- Shrink/Swell bamboo: 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/mm² (average value - EN 1534)
- 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)
- Use Class: Class 1 (EN 335)
- Glue lamination: D3 indoor 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)
- Contribution LEED BD+C - v4: MR 1, MR 2, EQ2
v2009: MR 6
- Contribution BREEAM: HEA 2, MAT 1

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.