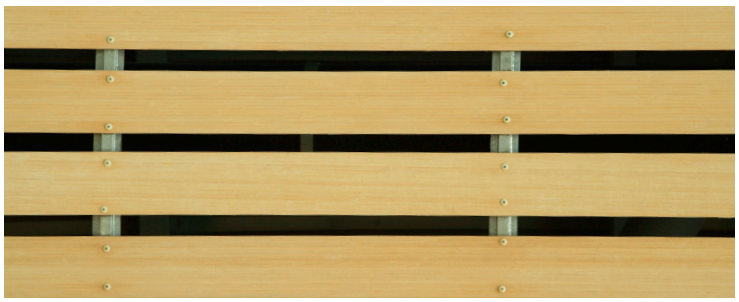
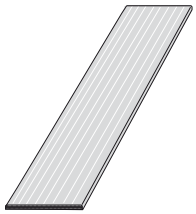
MOSO bamboo ceiling board



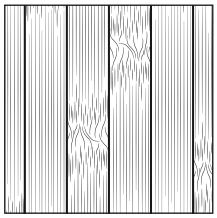
ceiling board

The MOSO Bamboo Ceiling Board consists of 5 layers of bamboo veneer (and 2 layers of glass fibre)*, which have been pressed together. Individual veneer layers are pressed cross wise to ensure stability and flexibility of the panel. The panel is impregnated with fire retardant to meet very strict fire norms in Europe and the USA.

*) Depending on the fire requirements there are 2 layers of glass fibre added in the product.



side pressed



SP: Side Pressed, **O**: Oiled

Natural	Caramel	Style	Finish	Construction (mm)	Glass fibre	Thickness (mm)	Dimensions (mm)
BA-101	BA-151	SP	O	5 layers	No	5	2000x100
BA-501	BA-551	SP	O	7 layers	Yes	6	2000x100

installation summary

- The panels can be screwed onto a frame.
- Because of the flexibility of the board, the panels can be curved.
- The boards can be installed indoor only (use class 1, EN 335).
- Advised climate conditions: Humidity 30-80%, Temperature: -10°C - + 40°C.

technical characteristics

- Density (Product): +/- 700 kg/m^3
- Shrink/Swell: 0,14% per 1% change of Moisure Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity [1)]
- Resistance to Indentation – Brinell Hardness: ≥ 4 kg/mm^2
- Reaction to fire: Class B-s2-d0 (EN 13501-1) [2)]
- Reaction to fire: Class A (ASTM E84) [3)]
- Formaldehyde emission: Class E1 (<0,124 mg/m^3) (EN 717-1)
- Modulus of Elasticity: +/- 5200 N/mm^2 (EN 310)
- Biological durability: Class 5 (EN 350)
- Use Class: Class 1 (EN 335)
- Contribution LEED BD+C - v4: MR1, MR2
  v2009: MR 6
- Contribution BREEAM: HEA 2, MAT 1

[1)] Indicative; MC can not be measured by common moisture meter because of fire retardant in the bamboo.
[2)] 7 layer version including glass fibre only.
[3)] 5 layer version.