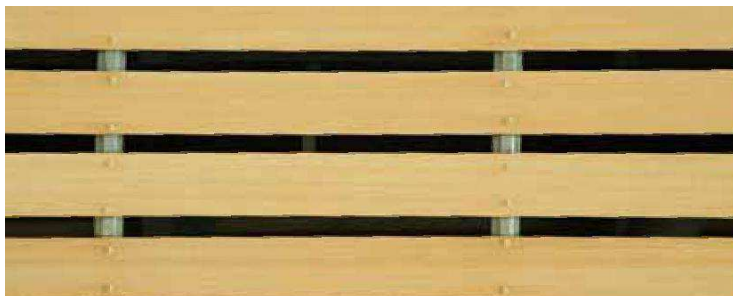


# MOSO bamboo ceiling board



# ceiling board 天花板

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.

MOSO 竹天花板由 5 层竹刨切板（和 2 层玻璃纤维）组成，它们被压制在一起。单层结构以确保其稳定性及柔韧性。经过防火浸注的板材可以满足欧洲和美国非常严格的防火标准。

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

\*)根据防火要求有两层玻璃纤维添加到产品。



SP: Side Pressed, O: Oiled SP:侧压,O:油

Natural 本色	Caramel 碳色	Style 类型	Finish 油漆	Construction (mm) 结构	Glass fibre 玻璃纤维	Thickness (mm) 厚度	Dimensions (mm) 尺寸
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.

### 安装总结

- 面板可旋拧到一个框架上
- 由于板材柔韧性极佳，可以弯曲造型
- 板材仅能安装在室内（使用类别：第一类 EN 335)
- 建议气候条件:湿度 30 - 80%,温度:-10°C - + 40°C

## technical characteristics

- Density (Product): +/- 700 kg/m<sup>3</sup>
- Shrink/Swell: 0,14% per 1% change of Moisture Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity <sup>1)</sup>
- Resistance to Indentation – Brinell Hardness: ≥ 4 kg/mm<sup>2</sup>
- Reaction to fire: Class B-s2-d0 (EN 13501-1) <sup>2)</sup>
- Reaction to fire: Class A (ASTM E84) <sup>3)</sup>
- Formaldehyde emission: Class E1 (<0,124 mg/m<sup>3</sup>) (EN 717-1)
- Modulus of Elasticity: +/- 5200 N/mm<sup>2</sup> (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

<sup>1)</sup> Indicative; MC can not be measured by common moisture meter because of fire retardant in the bamboo.

<sup>2)</sup> 7 layer version including glass fibre only.

<sup>3)</sup> 5 layer version.

### 技术参数

- 密度(产品):+ / - 700 kg / m<sup>3</sup>
- 收缩/膨胀:每 1%的变化含水率为 0.14%
- 平衡含水率: 20 度, 65%相对空气湿度下 10%
- 耐压痕 - 布氏硬度: ≥ 4 kg/mm<sup>2</sup>
- 防火反应: B 级-S2-d0 (EN 13501-1) 2)
- 防火反应: A 级 (ASTM E84) 3)
- 甲醛释放量: E1 标准(<0.124 mg/m<sup>3</sup>) (EN 717-1)
- 弹性模量: +/- 5200 N/mm<sup>2</sup> (EN 310)
- 生物耐久性: 5 级标准(EN 350)
- 使用等级: 1 级标准(EN 335)
- 贡献版本: MR1, MR2 v2009: MR 6
- 贡献实业: HEA 2, MAT 1

1) 提示: 平衡含水率不能用常见的湿度计进行测量, 因为竹子中带有浸渍阻燃

2) 7 层版本仅包含玻璃纤维

3) 5 层版本



breeam