MOSO® Bamboo N-finity beams are solid, laminated bamboo beams that are impregnated for outdoor use. A special impregnation process provides the product the highest durability class possible following EU norm EN 350 (see technical characteristics below). The bamboo strips are connected with a special patented hook connection. The standard product is supplied with pre-profiled rounded edges, available in 5 dimensions with a length of 2 metres, and is ideal for furniture applications, cladding or sunblinds. MOSO® Bamboo N-finity beams can be produced, on request, with various dimensions up to a maximum length of 5800 mm. MOSO® Bamboo N-finity outdoor laminated bamboo has been tested for mechanical properties (bending, tension, compression, shear) and can also be applied as structural beams.

### Technical Characteristics and Certifications

- **Density:** +/- 700 kg/m³
- **Shrink/Swell:** 0.14% per 1% change in Moisture Content
- **Resistance to Indentation - Brinell Hardness:** ≥ 4 kg/mm² (EN 1534)
- **Reaction to fire:** Class D-s2-d0 (EN 13501-1)
- **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)
- **Impregnation preservatives:** comply with European biocide product regulation (BPR) and are not listed on the restrictions list of REACH Annex XVII/candidate list
- **Biological durability:** Class 1 (EN 350 / CEN/TS 15083-1)
- **Effectiveness against surface fungi:** Class 0, Strong fungi static (EN ISO 846), Impregnation only superficial (2-3 mm)
- **Use Class:** Class 3 (EN 335)
- **FSC®:** Products available with FSC® certification on request
- **Contribution LEED BD+C: v4:** MR 1, MR 2, MR 3 (FSC®)
- **Contribution BREEAM:** MAT 1, MAT 3 (FSC®)

### Please Note Before Installation

- Bamboo N-finity does not require a finish, unless the surface is processed (drilled, cut, planed) and the anti-fungal protection has been disrupted. In that case, a protective anti-fungus layer has to be reapplied.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Construction</th>
<th>Finish</th>
<th>Bevel</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BO-IL2173-200</td>
<td>2x18mm</td>
<td>Unfinished</td>
<td>R=3mm</td>
<td>2000x40x36</td>
</tr>
<tr>
<td>BO-IL2172-200</td>
<td>2x18mm</td>
<td>Unfinished</td>
<td>R=3mm</td>
<td>2000x60x36</td>
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<tr>
<td>BO-IL2171-200</td>
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<td>Unfinished</td>
<td>R=3mm</td>
<td>2000x80x36</td>
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<tr>
<td>BO-IL2176-200</td>
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<td>Unfinished</td>
<td>R=3mm</td>
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<td>BO-IL2177-200</td>
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<td>Unfinished</td>
<td>R=3mm</td>
<td>2000x120x36</td>
</tr>
</tbody>
</table>

Other dimensions can be produced custom made: maximum beam size 5800 x 200 x 120 mm or 5800 x 120 x 200 mm.