

MOSO®

bamboo n-finity outdoor products



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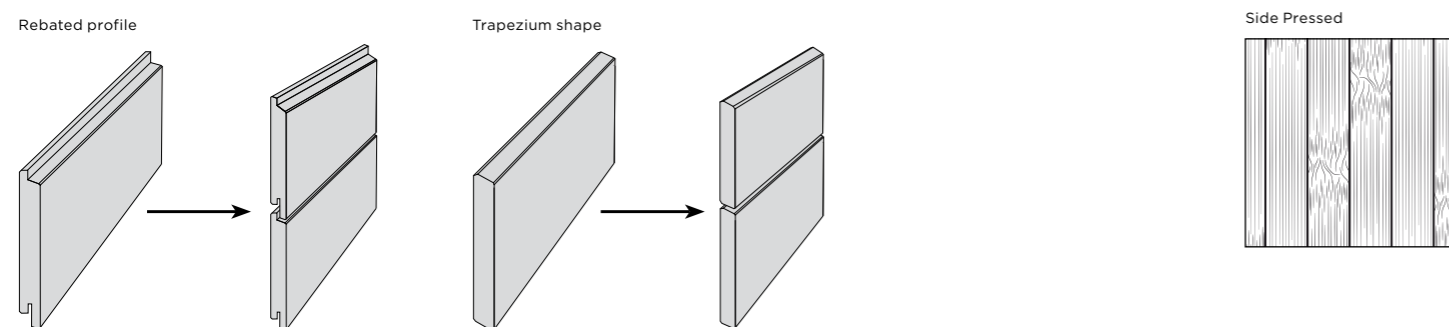
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 Architecture Studio  Antoine Duhamel

MOSO® bamboo n-finity outdoor cladding

MOSO® Bamboo N-finity cladding is a solid, laminated bamboo board that is impregnated for outdoor use. The special impregnation process provides the product the highest durability class possible following EU norm EN 350 (see technical characteristics below). MOSO® Bamboo N-finity cladding is available in two standard lengths, and on request even in lengths up to 5800 mm. The extraordinary length is achieved by connecting the strips with a special patented hook connection. MOSO® Bamboo N-finity cladding is available in 2 shapes: a rebated profile and a trapezium shape. The former is installed with fasteners and screws and the latter with screws. Like any untreated tropical hardwood species, when exposed to outdoor conditions, MOSO® Bamboo N-finity will turn grey over time creating a very natural look.



B: Bevel, F: Flat, T/G: Tongue/Groove

Product Code	Type	Grooved	Finish	Edges	Surface	Head-side T/G	Effective width (mm)	Dimensions (mm)
BO-IL500-540	Rebated	Yes	Unfinished	B	F	No	128	5400x140x18
BO-IL500-240	Rebated	Yes	Unfinished	B	F	No	128	2400x140x18
BO-IL510-540	Trapezium	No	Unfinished	B	F	No	131	5400x140x18
BO-IL510-240	Trapezium	No	Unfinished	B	F	No	131	2400x140x18

Other dimensions can be produced custom made.

Installation summary

(full version available on www.moso.eu/n-finity)

- Apply a waterproof membrane against the wall and screw vertical battens (at least 20 mm thick, 60 mm wide) onto that, creating a rigid/flat surface onto which the boards can be fixed.
- Fix the cladding boards, starting with the lowest row of boards.
- Trapezium version:** Use a countersink drill to predrill the screw holes; always use 2 screws on each batten. Install the board and make sure it is placed fully level. Make sure the screws used are suitable for the material used as battens. Install the second row of boards, using a minimum 6 mm spacing. Continue with the rest of the rows.
- Rebated version:** Use the MOSO® Fastener (CLIPSCREW-BX04) to fix the boards onto the battens; always use 2 fasteners on each batten. The boards must be placed fully level. Make sure the screws used are suitable for the material used as battens. Continue with the rest of the rows.
- Bamboo N-finity can be processed similar to wood (cutting, planing, drilling, sanding, etc).
- 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.

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)
- 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®) v2009: MR 6, MR 7 (FSC®)
- Contribution BREEAM: MAT 1, MAT 3 (FSC®)

MOSO® bamboo n-finity outdoor beams

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.



Product Code	Construction	Finish	Bevel	Dimensions (mm)
BO-IL2173-200	2x18mm	Unfinished	R=3mm	2000x40x36
BO-IL2172-200	2x18mm	Unfinished	R=3mm	2000x60x36
BO-IL2171-200	2x18mm	Unfinished	R=3mm	2000x80x36
BO-IL2176-200	2x18mm	Unfinished	R=3mm	2000x100x36
BO-IL2177-200	2x18mm	Unfinished	R=3mm	2000x120x36

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

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.

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®) v2009: MR 6, MR 7 (FSC®)
- Contribution BREEAM: MAT 1, MAT 3 (FSC®)

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