MOSO®
bamboo n-finity
outdoor products
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.

installation summary

- Apply a waterproof membrane against the wall and screw vertical battens (at least 20 mm thick, 40 mm wide) onto that, creating a right/fall surface onto which the boards can be fixed.
- Fix the cladding boards, starting with the lowest row of boards.
- Trapezium version: Use a counterbored drill to predrill the screw holes; always use 2 screws on each batten. Install the board and make sure it is placed flatly. 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.
- Repeated version: Use the MOSO® fasteners (CLIPS105W8-B1034) to fix the boards onto the battens, always use 2 fasteners on each batten. The boards must be placed flatly. Make sure the screws used are suitable for the material used as battens. Continue with the rest of the rows.
- Bambo Infinity can be processed similar to wood (cutting, sanding, drilling, etc.).

technical characteristics and certifications

- Density: ≤ 700 kg/m³
- Shrinking/swelling: 0.1%/g per % change in Moisture Content
- Resistance to biodegradation - Brial hardness: ≥ 4 kg/mm² (EN 1534)
- Reaction to fire: Class D (e.g. 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 I (EN 350) / Class II (EN 350-1)
- Resistance to biodegradation - Brial hardness: ≥ 4 kg/mm² (EN 1534)
- Reaction to fire: Class D (e.g. EN 13501-1)
- Impregnation: only superficial (2.5 mm)
- Use Class: Class 3 (EN 350)
- FSC®: Products available with FSC® certification on request
- Contribution to energy LEED v4, HR1, HR2, HR3
- Contribution to energy LEED v4
- Contribution Energy MAT 1, MAT 3, FSC®
- The mark for responsible forestry FSC® is available on request. MOSO® products are only FSC certified as such.

MOSO® bamboo n-finity outdoor beams

MOSO® Bamboo N-finity beams are solid, laminated bamboo beams that are 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). 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 2.5 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 Bevel Dimensions (mm)
BD-1L2172-200 2x88mm Unfinished R=3mm 2000x40x36
BD-1L2172-200 2x88mm Unfinished R=3mm 2000x60x36
BD-1L2177-200 2x88mm Unfinished R=3mm 2000x100x36
BD-1L2177-200 2x88mm Unfinished R=3mm 2000x120x36

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

technical characteristics and certifications

- Density: ≤ 700 kg/m³
- Shrinking/swelling: 0.1%/g per % change in Moisture Content
- Resistance to biodegradation - Brial hardness: ≥ 4 kg/mm² (EN 1534)
- Reaction to fire: Class D (e.g. EN 13501-1)
- Impregnation: only superficial (2.5 mm)
- Use Class: Class 3 (EN 350)
- FSC®: Products available with FSC® certification on request
- Contribution to energy LEED v4, HR1, HR2, HR3
- Contribution Energy MAT 1, MAT 3, FSC®
- The mark for responsible forestry FSC® is available on request. MOSO® products are only FSC certified as such.