

MOSO® bamboo x-treme® outdoor cladding

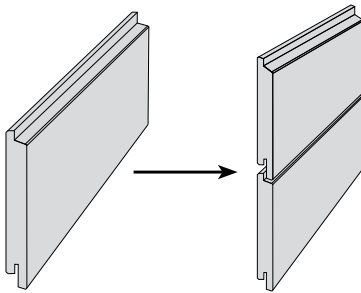
MOSO® Bamboo X-treme® Cladding is a solid, Thermo-Density® exterior board, made from compressed bamboo strips. A special, unique heat-treatment process at 200°C provides MOSO® Bamboo X-treme® the highest durability class possible in the appropriate EU norms, increases the stability and density, and consequently the hardness.

Furthermore, contrary to other wood products, this material achieves fire resistance Class B-s1-d0 (EN 13501-1) without impregnation with expensive and eco-damaging fire retardants.

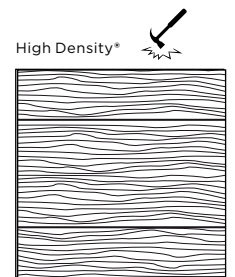
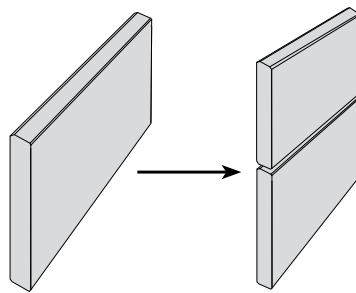
MOSO® Bamboo X-treme® Cladding is available in 2 shapes: a rebated profile and a trapezium shape. The former is installed with fasteners (18 mm) and screws and the latter with screws.

Like any untreated tropical hardwood species, when exposed to outdoor conditions, MOSO® Bamboo X-treme® will turn grey over time creating a very natural look.

BO-DTHT500G (rebated profile)



BO-DTHT510 (trapezium shape)



B: Bevel (also on ends), F: Flat

Product Code	Grooved	Finish	Edges	Surface	End-match system	Effective width (mm)	Dimensions (mm)
BO-DTHT500G	Yes	-	B	F	Yes	125*	1850x137x18
BO-DTHT510	No	-	B	F	Yes	134*	1850x137x18

* Effective width without distance between the boards, recommended distance 6 mm.

installation summary

(full version available on www.moso.eu/x-treme)

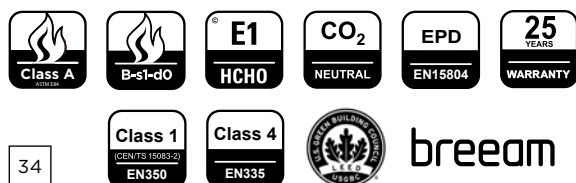
- Apply a waterproof membrane against the wall and screw vertical battens onto that.
- Each board should be fixed on at least 3 battens: so the maximum centre-to-centre distance between the battens is 616.7 mm (1850 mm/3).
- Install the first, bottom, row of fasteners on the battens and place the first row of boards onto them.
- Place the second row of fasteners / boards and continue like this with the whole surface.
- For further info: please see the installation / maintenance instructions.

technical characteristics and certifications

- Density: +/- 1150 kg/m³
- Dimensional stability: length: + 0.1%; width: + 0.9% (24 hours in water 20°C)
- Resistance to Indentation - Brinell Hardness: ≥ 9.5 kg/mm² (EN 1534)
- Reaction to fire: Class B-s1-d0¹⁾ (EN 13501-1)
- Flame spread index: Class A (ASTM E84)
- Thermal emittance: 0.81 (ASTM C1371)²⁾
- Solar Reflectance (SR): 32 (ASTM C1549)²⁾
- Solar Reflectance Index (SRI): Low 27, Medium 30, High 33 (ASTM E1980)²⁾
- Modulus of Elasticity: 13565 N/mm² (mean value - EN 408)
- Breaking strength: 54.4 N/mm² (characteristic value - EN 408)
- Biological durability: Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test Class 1 (EN 350 / CEN/TS 15083-1)
- Effectiveness against Blue Stain: Class 0 (EN 152)
- Use Class: Class 4 (EN 335)
- CO₂ neutral: LCA report TU Delft (ISO 14040/44) (www.moso.eu/lca)
- Environmental Product Declaration - EPD (EN 15804) (www.moso.eu/epd)
- 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®), MAT 5 (HD)
- Guarantee: 25 years

¹⁾ Tested on 18 mm thickness, without gaps between boards, with ventilation space behind boards.

²⁾ Tested on 3 years weathered MOSO® Bamboo X-treme®.



breem



The mark of responsible forestry
FSC® C002063