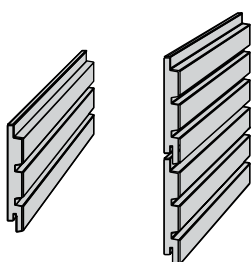


# MOSO® Bamboo X-treme® Outdoor Cladding

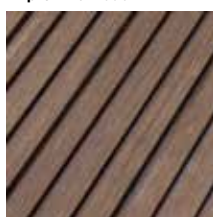
## Rhombus profile

MOSO® Bamboo X-treme® Rhombus Outdoor Cladding is a range of solid, Thermo-Density® exterior boards, made from compressed bamboo strips. A special, unique heat-treatment process at 200°C provides MOSO® Bamboo X-treme® with 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 can achieve fire resistance Class B-s1-d0 <sup>1)</sup> (EN 13501-1) without impregnation with expensive and eco-damaging fire retardants. MOSO® Bamboo X-treme® Cladding with Rhombus profile can be fixed with MOSO® Fasteners (20 mm). Like any tropical hardwood species, when exposed to outdoor conditions, Bamboo X-treme® will turn grey over time creating a very natural look.

Triple Rhombus profile



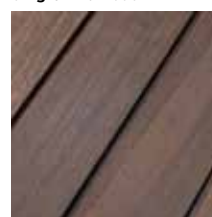
Triple Rhombus



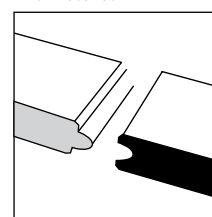
Double Rhombus



Single Rhombus



End-matched



Product Code	Profile	Finish	Surface	End-matched	Length edges	End edges	Effective width (mm)*	Dimensions (mm)
BO-DTHT520G	Triple Rhombus	Unfinished	Flat with 2 grooves	Yes	R1	2 mm x 45°	129	1850x137x20
BO-DTHT520G-2	Double Rhombus	Unfinished	Flat with 1 groove	Yes	R1	2 mm x 45°	129	1850x137x20
BO-DTHT520G-1	Single Rhombus	Unfinished	Flat	Yes	R1	2 mm x 45°	129	1850x137x20

\*) Effective width without gap between the boards, recommended gap 6 mm.

### Installation

- MOSO® guarantees the bamboo material and the mounting materials (fastener/screw) it supplies but does not guarantee the connection with other materials (such as sub frame joist/battens). It is the responsibility of the installer to make sure the screws used match such materials during the full lifetime of the product.
- For installation with fasteners, the MOSO® Fasteners CLIP-SCREWBX08 with screws and MOSO® Fasteners CLIP-BX08 without screws are available. More information about the MOSO® Fasteners can be found: ▶ [www.moso-bamboo.com/x-treme/accessories](http://www.moso-bamboo.com/x-treme/accessories)
- Store in a cool and dry place away from direct sunlight, and protected from weather influences, dirt and dust.
- Full version available at: ▶ [www.moso-bamboo.com/rhombus](http://www.moso-bamboo.com/rhombus)

### Technical characteristics and certifications

- Density: ± 1150 kg/m<sup>3</sup>
- Dimensional stability: length: + 0.1 %; width: + 0.9% (24 hours in water 20°C)
- Resistance to Indentation - Brinell Hardness: ± 9.5 kg/mm<sup>2</sup> (average value - EN 1534)
- Reaction to fire: Class B-s1-d0 (EN 13501-1) <sup>1)</sup>
- Flame spread index: Class A (ASTM E84)
- Thermal emittance: 0.81 (ASTM C1371) <sup>2)</sup>
- Solar Reflectance (SR): 0.32 (ASTM C1549) <sup>2)</sup>
- Solar Reflectance Index (SRI): Low 27, Medium 30, High 33 (ASTM E1980) <sup>2)</sup>
- Modulus of Elasticity: 17366 N/mm<sup>2</sup> (20 mm), 15986 N/mm<sup>2</sup> (40 mm) (mean value - EN 408)
- Bending strength: 84.4 N/mm<sup>2</sup> (20 mm), 57.3 N/mm<sup>2</sup> (40 mm) (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)
- Effectiveness against European Termites: Class M (EN 350 / EN 117 - Coptotermes gestroi)
- Durability against larvae: Durable (EN 350 / EN 49-2)
- Use Class: Class 4 (EN 335)
- Environmental Product Declaration - EPD (EN 15804) ([www.moso-bamboo.com/epd](http://www.moso-bamboo.com/epd))
- FSC®: Products available with FSC® certification on request.
- Contribution LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC®), SS 7 v2009: MR 6, MR 7 (FSC®)
- Contribution BREEAM: MAT 1, MAT 3 (FSC®), MAT 5 (HD)
- Guarantee: 25 years

<sup>1)</sup> Tested on 18 mm thickness, without gaps between boards, with ventilation space behind boards.  
<sup>2)</sup> Tested on 3 years weathered MOSO® Bamboo X-treme®.



Also available with FSC® certification.



breem

Profile drawings available here ▶ [www.moso-bamboo.com/outdoor-profile-drawings](http://www.moso-bamboo.com/outdoor-profile-drawings)

