

MOSO® Bamboo X-treme® Varibo Outdoor Cladding

Closed profile

MOSO® Bamboo X-treme® Closed Cladding are solid boards in various widths for exterior applications. The boards are made from bamboo strips that have been compressed and thermally modified at 200°C. This unique Thermo-Density® process 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 wood products, this material achieves fire resistance Class B-s1-d0 ¹⁾ (EN 13501-1) without impregnation with expensive and eco-damaging fire retardants. MOSO® Bamboo X-treme® Cladding with the Closed profile is developed to meet the highest fire requirements and is installed with a hidden screw. A closed profile is also available for fast and easy installation with the Grad® system*. Like any tropical hardwood species, when exposed to outdoor conditions, Bamboo X-treme® will turn grey over time creating a very natural look. The Vintage colour gives the cladding boards a beautiful grey appearance, similar to the natural weathered grey of Bamboo X-treme®. It will provide the entire façade a more homogenous appearance as the boards age naturally.

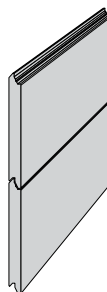
Closed profile
65 mm



Closed profile - Vintage
137 mm



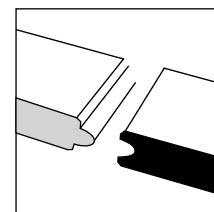
Closed Cinco profile
155 mm



Varibo Closed profile



End-matched



Product Code	Profile	Finish	Surface	End-matched	Length edges	End edges	Effective width (mm)	Dimensions (mm)
BO-DTHT537	Closed	Unfinished	Flat	Yes	R1	2 mm x 45°	52,5	1850x65x18
BO-DTHT537-02	Closed	Vintage	Flat	Yes	R1	2 mm x 45°	52,5	1850x65x18
BO-DTHT536	Closed	Unfinished	Flat	Yes	R1	2 mm x 45°	87,5	1850x100x18
BO-DTHT536-02	Closed	Vintage	Flat	Yes	R1	2 mm x 45°	87,5	1850x100x18
BO-DTHT530	Closed	Unfinished	Flat	Yes	R1	2 mm x 45°	124,5	1850x137x18
BO-DTHT531-02	Closed	Vintage	Flat	Yes	R1	2 mm x 45°	124,5	1850x137x18
BO-DTHT538	Closed	Unfinished	Flat	Yes	R1	2 mm x 45°	142,5	1850x155x18
BO-DTHT538-2	Closed	Unfinished	Flat with false groove	Yes	R1	2 mm x 45°	142,5	1850x155x18
BO-DTHT550	Closed Cinco	Unfinished	Flat with false groove	Yes	R1	2 mm x 45°	142,5	1850x155x18

Installation

- MOSO® guarantees the bamboo material and the mounting materials (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.
- It is not necessary to reapply the Vintage colour to the cladding boards.
- 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/closed

^{*)} For more information about the Grad® system please see the product datasheet Bamboo X-treme® Outdoor Cladding Grad® profile or check our website: ► www.moso-bamboo.com/cladding/grad

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 (average value - EN 1534)
- Reaction to fire: Class B-s1-d0 (EN 13501-1) ¹⁾
- Flame spread index: Class A (ASTM E84)
- Thermal emittance: 0.81 (ASTM C1371) ²⁾
- Solar Reflectance (SR): 0.32 (ASTM C1549) ²⁾
- Solar Reflectance Index (SRI): Low 27, Medium 30, High 33 (ASTM E1980) ²⁾
- Modulus of Elasticity: 17366 N/mm² (20 mm), 15986 N/mm² (40 mm) (mean value - EN 408)
- Bending strength: 84.4 N/mm² (20 mm), 57.3 N/mm² (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)
- 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

¹⁾ Tested on Bamboo X-treme® Closed profile 137x18 mm, with ventilation space behind the boards.
²⁾ Tested on 3 years weathered MOSO® Bamboo X-treme®.



Also available with FSC® certification.



The mark of responsible forestry
FSC® C002063



breeam

Profile drawings available here ► www.moso-bamboo.com/outdoor-profile-drawings

