

MOSO® Bamboo X-treme® Fencing

MOSO® Bamboo X-treme® fence boards are solid, Thermo-Density® exterior boards, made from compressed bamboo strips. A special, unique thermal modification process at 392°F (200°C) provides MOSO® Bamboo X-treme® with the highest durability class possible in the appropriate European standards and increases the hardness and stability. The fence boards, equipped with a tongue/groove connection, are mounted between posts with U-profiles (not provided by MOSO®). 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.



Product Code	Surface	Edge groove	End-matched	Overlap groove	Edges	Size	Dimensions (")	Actual width (")
BO-DTHT312TG-UF	Smooth	Macro Bevel	No	N/A	Square Edge	1 x 6	3/4 x 5 3/8 x 72	5 1/8

technical characteristics and certifications

- Density: +/- 71.79 lbs/ft³
 - Dimensional stability:
length: + 0.1%; width + 0.9% (24 hours in water 68°F)
 - Resistance to Indentation - Average Brinell Hardness: ±65.5 psi (EN 1534)
 - Reaction to fire: Class B-s1-d0 (EN 13501-1)¹⁾
 - Flame spread index: Flame spread 25, Smoke developed 45
Class A (ASTM E84) / CAN/ULC S102 (WUI approved)
 - 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: 13565 MPa (EN 408, equivalent ASTM D 198)
 - Bending strength: 54.4 MPa (EN 408, equivalent ASTM D 198)
 - 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-bamboo.com/lca)
 - Environmental Product Declaration - EPD (EN 15804) (www.moso-bamboo.com/epd)
 - Contribution LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC®), EQ 2, SS 7 v2009: MR 6, MR 7 (FSC®)
 - Contribution BREEAM: MAT 1, MAT 3 (FSC®), MAT 5 (HD)
 - Warranty: 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®.



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