

MOSO® Bamboo X-treme® 2x Beams

MOSO® Bamboo X-treme® 2x is a solid, Thermo-Density® beam, made from compressed bamboo strips. A special, thermal modification process at 392°F (200°C) provides MOSO® Bamboo X-treme® the highest durability class possible in the appropriate European standard (see technical characteristics below) and increases the hardness and stability. These products are used in a variety of applications such as outdoor furniture and vertical facade systems.

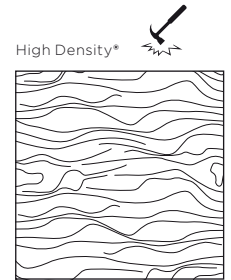
BO-DTHT2173-2
2 x 2
1 1/2 x 1 1/2 x 79"



BO-DTHT2175-2
2 x 4
1 1/2 x 3 1/2 x 79"



BO-LUM40-152
2 x 6
1 1/2 x 6 x 73 1/4"



Product Code	Profile	Surface	Size	Dimensions (")
BO-DTHT2173-2	S4S E4E	Smooth	2 x 2	1 1/2 x 1 1/2 x 79
BO-DTHT2175-2	S4S E4E	Smooth	2 x 4	1 1/2 x 3 1/2 x 79
BO-LUM40-152	S4S E4E	Smooth	2 x 6	1 1/2 x 6 x 73 1/4

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: 13656 MPa (EN 408, equivalent ASTM D 198)
- Breaking 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.eu/lca)
- Environmental Product Declaration - EPD (EN 15804) (www.moso.eu/epd)
- 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)
- Warranty: 10 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®.



breeam