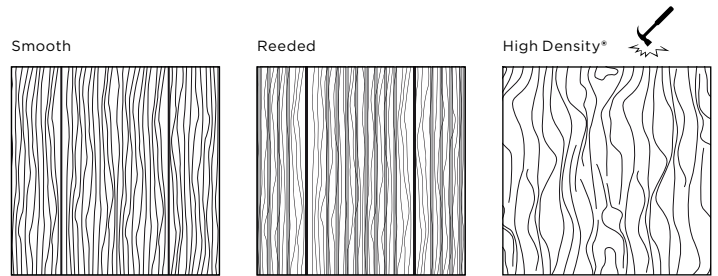
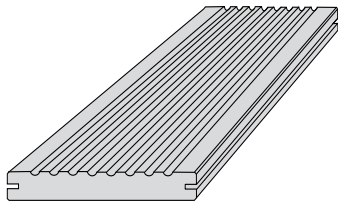


# MOSO® bamboo x-treme® outdoor decking

MOSO® Bamboo X-treme® is a solid, Thermo-Density® decking board, made from compressed bamboo strips. A special, heat-treatment 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. A unique feature of MOSO® Bamboo X-treme® is the end-matched connection: this can only be done with very stable materials and enables connection of an unlimited number of boards in the length. The special symmetrical shape of the sides offers the possibility to choose between either the reeded or the smooth surface, and allows for quick installation with MOSO® fasteners. Like any untreated tropical hardwood species, when exposed to outdoor conditions, MOSO® Bamboo X-treme® will turn gray over time creating a very natural look.



O: Pre-primed, B: Bevel (also on ends), R: Reeded, S: Smooth  
The end of the boards are protected with wax. Also available with FSC® certification.

Product Code	Grooved	Finish	Edges	Surface	End-matched	Size	Dimensions (")	Dimensions (mm)
BO-DK20-G2-PP	Both sides	O	B	R/S	Yes	1 x 6 x 6	3/4 x 5-3/8 x 72	20 x 137 x 1830
BO-DK20-G1-PP	One side	O	B	R/S	Yes	1 x 6 x 6	3/4 x 5-3/8 x 72	20 x 137 x 1830

## installation summary

(full version available on [www.moso-bamboo.com/x-treme](http://www.moso-bamboo.com/x-treme))

- Install a suitable, fixed, stable and durable joist system.
- Determine which side of the board will be used: the reeded or smooth side.
- Fix the boards on the joist system using hidden fasteners (to be inserted in the grooves of the board) or alternatively with screws (through the surface).
- End matched system can be floated off joist on 16" centers to minimize the waste.
- Use a 1-2% slope and ensure good ventilation is available.
- After installation: make sure proper cleaning and maintenance is done, according to the chosen finish.
- When not applying outdoor oil regularly, the deck will acquire a gray color tone and the typical bamboo wood grain structure will become less visible.
- Bamboo X-treme® is available pre-primed. Final treatment after installation with water based oil/ saturator is advised for all versions.
- In order to maintain the rich brown color an exterior penetrating oil for hardwoods is recommended to be applied 3 to 4 months after installation.
- For further info: please see the installation/maintenance instructions.

## technical characteristics and certifications

- Density: +/- 71.79 lbs/ft<sup>3</sup>
- Dimensional stability: length: + 0.1 %; width + 0.9% (24 hours in water 68°F)
- Resistance to Indentation - Brinell Hardness: ≥ 1,350 psi (EN 1534)
- Reaction to fire: Class Bfl-s1 (EN 13501-1)
- Flame spread index: Flame spread 25, Smoke developed 45 Class A (ASTM E84) / (CAN/ULC S102)
- Slip resistance - new material: USRV 55 (Dry), USRV 29 (Wet) (CEN/TS 16165 Annex C) / R 10 (CEN/TS 16165 Annex B - DIN 51130)
- Slip resistance - weathered material: USRV 100 (Dry) (CEN/TS 16165 Annex C) / R 11 (CEN/TS 16165 Annex B - DIN 51130)
- Thermal emittance: 0.81 (ASTM C1371)\*
- Solar Reflectance (SR): 32 (ASTM C1549)\*
- Solar Reflectance Index (SRI): Low 27, Medium 30, High 33 (ASTM E1980)\*
- Modulus of Elasticity: 13565 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](http://www.moso.eu/lca))
- Environmental Product Declaration - EPD (EN 15804) ([moso.eu/epd](http://moso.eu/epd))
- FSC®: Products available with FSC® certification on request.
- Contribution LEED BD+C - v4: MR 1, MR 2, MR 3 (FSC®), EQ 2 v2009: MR 6, MR 7 (FSC®), IEQ 4.3, IEQ 4.4
- Contribution BREEAM: MAT 1, MAT 3 (FSC®), MAT 5 (HD)
- Warranty: 25 years

\*) Tested on 3 years weathered MOSO® Bamboo X-treme®

**Class A**  
ASTM E84

**E1**  
HCHO

**CO<sub>2</sub>**  
NEUTRAL

**EPD**  
EN15804

**25**  
YEARS  
WARRANTY

The mark for responsible forestry  
FSC® C002063  
[www.fsc.org](http://www.fsc.org)  
Only the products defined as such,  
are FSC certified



bream