

MOSO® Bamboo X-treme® Outdoor Decking

MOSO® Bamboo X-treme® is a solid, Thermo-Density® decking board, 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. 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 standard groove or the smooth surface, and allows for quick installation with MOSO® Fasteners. Bamboo X-treme® will weather over time to a silver patina.

1 x 4 x 6
Board unfinished with tongue
G2 / Smooth (reversible)



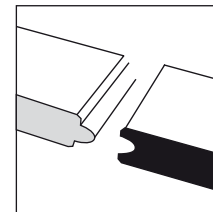
1 x 6 x 6
Board finished with tongue
G1 / Smooth (reversible)



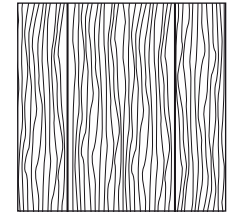
1 x 7 x 6
Board finished with groove
G2 / Smooth (reversible)



End-matched



High Density*



Board	Product Code	Surface	Edge groove	End-matched	Length edges	Size	Dimensions (")
Decking	BO-DK20-G2-96UF	Smooth/Smooth	Both sides	Yes	Macro Bevel	1 x 4 x 6	3/4 x 3 7/8 x 72
Trim/perimeter	BO-DK20-G0-96UF	Smooth/Smooth	Not grooved	No	Eased Edge	1 x 4 x 6	3/4 x 3 7/8 x 72
Decking	BO-DK20-G2-UF	Smooth/Reeded	Both sides	Yes	Macro Bevel	1 x 6 x 6	3/4 x 5-3/8 x 72
Trim/perimeter	BO-DK20-G1-UF	Smooth/Reeded	One side	Yes	Macro Bevel	1 x 6 x 6	3/4 x 5-3/8 x 72
Decking	BO-DK23-G2-UF	Smooth/Reeded	Both sides	Yes	Macro Bevel	1 x 7 x 6	3/4 x 7 x 72
Trim/perimeter	BO-DK20-G1-205UF	Smooth/Smooth	One side	Yes	Macro Bevel	1 x 8 x 6	3/4 x 8 x 72

installation summary

- Install a suitable, fixed, stable and durable joist system. 12", 18" or 24" joist spacing is optimal. 16" is acceptable.
- Determine which side of the board will be used: the reeded or smooth surface.
- Don't forget to make sure that there is adequate airflow below the deck especially when installing with low ground clearance. Even though Bamboo X-treme® Decking can be installed closer to the ground than any other natural material, proper air flow is a separate issue and can have an adverse effect on the deck if not properly done.
- Fix the boards on the joist system using hidden fasteners (CLIP-SCREW-BX08 - to be inserted in the grooves of the board) or alternatively with screws (through the surface).
- Don't forget to make sure you float a fastener at the end-match when floating the joint. The fastener will provide added support and maintain proper spacing between the boards.
- Use a 1-2% slope to ensure water drains off the surface of the decking.
- Unfinished Bamboo X-treme® Decking can be left to weather naturally or can be finished 3-4 months after installation.
- When not applying outdoor oil regularly, the deck will acquire a grey color tone and the typical bamboo grain structure will become less visible.
- After installation: make sure proper cleaning and maintenance is done, according to the chosen finish.
- For further info: please see the installation/maintenance instructions.
- 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/us/x-treme/decking

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: ± 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 (WUI approved)
- Slip resistance - new material: USRV 55 (Dry), USRV 29 (Wet), USRV 91 (Dry), USRV 42 (Wet) (Pendulum friction test - CEN/TS 16165 Annex C - CEN/TS 15676) / R 10 (Shod ramp test - CEN/TS 16165 Annex B - DIN 51130) / Class C (Barefoot ramp test - CEN/TS 16165 Annex A - DIN 51097)
- 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)¹⁾
- Solar Reflectance (SR): 0.32 (ASTM C1549)¹⁾
- Solar Reflectance Index (SRI): Low 27, Medium 30, High 33 (ASTM E1980)¹⁾
- 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®), IEQ 4.3, IEQ 4.4
- Contribution BREEAM: MAT 1, MAT 3 (FSC®), MAT 5 (HD)
- Warranty: 25 years

¹⁾ Tested on 3 years weathered MOSO® Bamboo X-treme®.



breem

Check out the full installation instruction ▶

