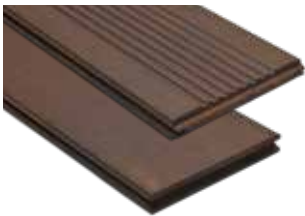


MOSO® Bamboo X-treme® Outdoor Decking

MOSO® Bamboo X-treme® Decking is a solid, Thermo-Density® board, made from compressed bamboo strips. A special, unique heat-treatment process at 200°C provides MOSO® Bamboo X-treme® with the highest durability class possible in the appropriate EU norms (see technical characteristics below) and the compression increases the hardness and stability. A unique feature of MOSO® Bamboo X-treme® is the end-match system: this can only be done with very stable materials and enables the connection of an unlimited number of boards lengthways. The special symmetrical shape of the sides allows the possibility to choose either the grooved or the flat surface, and allows for quick installation with MOSO® Fasteners. Like any tropical hardwood species, when exposed to outdoor conditions, MOSO® Bamboo X-treme® will turn grey over time creating a very natural look.

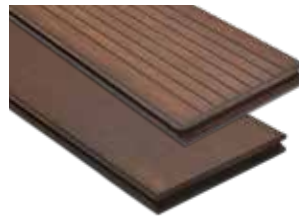
Standard Groove / Flat (reversible)



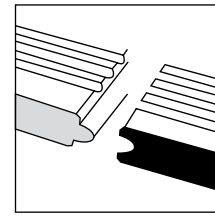
Curved



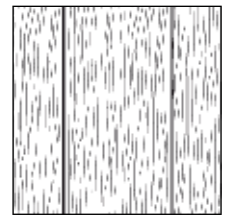
V-Groove / Flat or Rough Sanded (reversible)



End-matched



High Density*



*) Ends of the boards are protected with Sikkens Kodrin WV 456 sealer. **) Also on ends.

Sikkens Cetol*	Unfinished	Surface	Edge groove	End-matched	Edges**	Dimensions (mm)
BO-DTHT171G-01	BO-DTHT170G	Standard Groove/Flat	Yes	Yes	Bevel	1850x137x20
BO-DTHT163-01	BO-DTHT162	Standard Groove/Flat	No - endprofile	Yes	Bevel	1850x137x20
BO-DTHT181G-01	BO-DTHT180G	Standard Groove/Flat	Yes	Yes	Bevel	1850x137x18
BO-DTHT184-01	BO-DTHT183	Standard Groove/Flat	No - endprofile	Yes	Bevel	1850x137x18
BO-DTHT371-01	BO-DTHT370	Standard Groove/Flat	No	Yes	Bevel	1850x137x30
BO-DTHT191G-01	BO-DTHT190G	Standard Groove/Flat	Yes	Yes	Bevel	1850x155x20
BO-DTHT191G-C-01		Curved	Yes	Yes	Bevel	1850x155x20
BO-DTHT191GV-01	BO-DTHT190GV	V-Grooved/Flat	Yes	Yes	Bevel	1850x155x20
BO-DTHT191GV-R-01		V-Grooved/Rough Sanded	Yes	Yes	Bevel	1850x155x20
BO-DTHT211G-01	BO-DTHT210G	Standard Groove/Flat	Yes	Yes	Bevel	1850x178x20

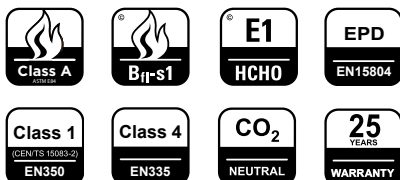
installation summary

- Install suitable, fixed, stable and durable sub frame joists. MOSO advises the use of MOSO® Bamboo X-treme® Sub frame joists.
- Determine which side of the board will be used: the grooved or flat side.
- Fix the boards on the sub frame using fasteners (to be inserted in the grooves of the board) or alternatively with screws (through the surface).
- Use a 1-2% slope and ensure good ventilation. The slope is not necessary for the curved boards.
- After installation: make sure proper cleaning and maintenance is done, according to the chosen finish.
- When not applying Sikkens Cetol WF 771 finish regularly, the deck will acquire a grey colour tone and the typical bamboo wood grain structure will become less visible.
- Bamboo X-treme® is available finished or unfinished. Treatment after installation with waterbased Sikkens Cetol WF 771 finish is recommended for all unfinished versions. For decking finished with Sikkens Cetol WF 771 the first maintenance can be performed after one year.
- 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/x-treme/decking

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 (EN 1534)
- Reaction to fire: Class Bfl-s1 (EN 13501-1)
- Flame spread index: Class A (ASTM E84)
- Slip resistance: PTV 55 (Dry), PTV 29 (Wet), PTV 91 (Rough Sanded, Dry), PTV 42 (Rough Sanded, 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)
- 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 N/mm² (mean value - EN 408)
- Bending strength: 54.4 N/mm² (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)
- 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)
- FSC®: Products available with FSC® certification on request.
- 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)
- Guarantee: 25 years

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



breeam