

certified 100% proven ourable - stable



High Density*

MOSO® Bamboo X-treme® Outdoor Decking non-slip

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 and the compression increases the hardness and stability. Non-slip decking boards include two lines of black non-slip grit with epoxy, inserted in a dovetail groove, to allow for extremely low slip properties. The end-match system of Bamboo X-treme® enables the connection of an unlimited number of boards lengthways and the side grooves allow 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





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

Oiled Woca*	Unfinished	Non-slip lines	Edge groove	End-matched	Length edges	End edges	Dimensions (mm)
BO-DTHT171G-AS2*	BO-DTHT170G-AS2	2	Yes	Yes	R3	2 mm x 45°	1850x137x20

Alternative dimensions or non-slip lines are available on request.

installation summary

- Install suitable, fixed, stable and durable sub frame joists
- MOSO recommends the use of MOSO® Bamboo X-treme® Sub frame joists Fix the boards on the sub frame using MOSO® 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.
- After installation: make sure proper cleaning and maintenance is done, according to the
- When not applying outdoor oil 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 pre-oiled or unfinished. In order to maintain the rich brown colour an exterior penetrating oil for hardwoods is recommended to be applied 3 to 4 months after installation. We advise to apply the initial coat 3-4 months after installation.
- Use a broom and brush for cleaning and maintenance. 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/x-treme/decking













technical characteristics and certifications

End-matched

- Dimensional stability: length: + 0.1%; width + 0.9% (24 hours in water 20°C)
 Resistance to Indentation Brinell Hardness of Bamboo X-treme* (not tested on non-slip arit): $\geq 9.5 \text{ kg/mm}^2 \text{ (EN 1534)}$
- Reaction to fire of Bamboo X-treme® (not tested on non-slip grit): Class Bfl-s1 (EN 13501-1)
- Flame spread index of Bamboo X-treme® (not tested on non-slip grit): Class A (ASTM E84) Slip resistance: R 13 in the width direction of the boards, sure-footed up to an incline of >35 (Shod ramp test - CEN/TS 16165 Annex B - DIN 51130)
- Thermal emittance: 0.81 (ASTM C1371)
- Solar Reflectance (SR) of Bamboo X-treme® (not tested on non-slip grit):
- Solar Reflectance Index (SRI) of Bamboo X-treme® (not tested on non-slip grit): Low 27, Medium 30, High 33 (ASTM E1980) 1)
- Modulus of Flasticity of Bamboo X-treme®: 13565 N/mm2 (mean value FN 408)
- Bending strength of Bamboo X-treme®: 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 O (EN 152)
- Use Class: Class 4 (EN 335)
- CO₂ neutral of Bamboo X-treme® (not certified on non-slip grit); LCA report TU Delft (ISO 14040/44) (www.moso-bamboo.com/lca)
- $\label{eq:convergence} Environmental Product Declaration EPD (EN 15804) (www.moso-bamboo.com/epd) FSC*: Products available with FSC* certification on request.$
- 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 bamboo decking: 25 years wear resistance non-slip depending on usage

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









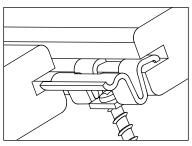
MOSO® Bamboo X-treme® **Outdoor Decking & Cladding**

accessories

MOSO® Fasteners

With these fasteners MOSO® Bamboo X-treme® Decking and Cladding can be easily installed. When installed correctly, there will be 5-6 mm gaps between the boards. The fasteners are supplied with matching stainless steel screws (square bit). For installation on aluminium sub frame joist (not provided by MOSO®), special screws are available.

Product Code	Item	Material	Colour	Dimensions fastener (mm)	Dimensions screw (mm)
CLIP-SCREW-BX08	Fastener Asymmetric with screw (20 mm)	Stainless steel A2 (AISI304)	Brown	27x22.5x10.8	4.5x30
CLIP-BX08	Fastener Asymmetric without screw (20 mm)	Stainless steel A2 (AISI304)	Brown	27x22.5x10.8	
CLIP-SCREW-BX031	Fastener Symmetric with screw (20 mm)	Stainless steel A2 (AISI304)	Brown	27x22.5x10.8	4.5x30
CLIP-SCREW-BX301	Fastener Start/End Side/Top with screw (20 mm)	Stainless steel A2 (AISI304)	Brown	27x17x31	4.5x30
CLIP-SCREW-BX801	Fastener Start/End Top with screw (20 mm)	Stainless steel A2 (AISI304)	Brown	29x25x11.2	4.5x30
CLIP-SCREW-BX09	Fastener Asymmetric with screw (18 mm)	Stainless steel A2 (AISI304)	Brown	27x22.5x9.8	4.5x30
CLIP-BX09	Fastener Asymmetric without screw (18 mm)	Stainless steel A2 (AISI304)	Brown	27x22.5x9.8	
CLIP-SCREW-BX041	Fastener Symmetric with screw (18 mm)	Stainless steel A2 (AISI304)	Brown	27x22.5x9.8	4.5x30
SCREW-09	Screw for aluminium sub frame joist	Stainless steel A2 (AISI304)	Brown	-	4.2x20



recommended number of fasteners/m² cladding** decking*

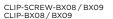
137 mm 137 mm ~20 pcs/m² ~14 pcs/m²

155 mm 75 mm ~26 pcs/m² ~17 pcs/m²

178 mm ~14 pcs/m²

*) Based on distance of 462.5 mm between the sub frame joist centres.

**) Based on distance of 600 mm between the sub frame joist centres.









CLIP-SCREW-BX801





MOSO® Bamboo X-treme® Sub frame joist

The MOSO® Bamboo X-treme® Sub frame joists are made of the same material as the decking boards: Thermo-Density® heat-treated bamboo.

Product Code	Material	Finish	Dimensions (mm)
BO-SB155	Thermo-Density® bamboo	Unfinished	2440x60x40



MOSO® Bamboo X-treme® Fascia board

The MOSO® Bamboo X-treme® Fascia board is intended for an elegant finish of the sides of the decking. It is placed vertically against the sides of the deck to cover the sub frame joists.

Product Code	Material	Finish	Dimensions (mm)	
BO-DTHT162	Thermo-Density® bamboo	Unfinished	1850x137x20	
BO-DTHT163 Thermo-Density® bamboo		Woca	1850x137x20	
BO-DTHT184	Thermo-Density® bamboo	Woca	1850x137x18	



maintenance & cleaning products

Product Code	Material		
SEALER-03	Sealer for ends of boards Sikkens Kodrin WV 456 0.75L		
DISK-01	16" Silicon carbide disk		
BROOM-01	Silicon carbide broom		
CLEANER-WOCA-01	Woca Exterior Wood Cleaner		
OIL-WOCA-011	Woca Exterior Wood Oil Teak		
WOCA-APPLICATOR	Woca Applicator set for oil		

Under the influence of wind, rain, sun and snow the decking will weather. MOSO® recommends impregnating and maintaining the pre-oiled decking with Woca maintenance materials. It is recommended to finish the unfinished decking with Woca Exterior Wood Oil right after installation, but no later than after the first winter. The silicon carbide broom and machine disk are perfectly suited to clean and smooth the decking surface of Bamboo X-treme® and to remove splinters due to the capability to sand the surface in addition to cleaning it.

Marine Dock Candlewood Lake (55 m²) Mount Gilead, Ohio, USA



Nordre Jarlsberg Brygge (70 m² + 1000 m¹) Selvikbukta, Norway



Lodge Puku Ridge (1300 m²) Zambia





see the ease of installation, cleaning and maintenance of MOSO® Bamboo X-treme® at: www.moso-bamboo.com/youtube/x-treme

Headquarters:

Moso International B.V.

Adam Smithweg 2 1689 ZW Zwaag the Netherlands T +31 (0)229 265 732 info@moso.eu

Sub-Saharan Africa:

Moso Africa Pty. Ltd.

7 Glosderry Road Kenilworth 7708 Cape Town South Africa

T +27 2167 11214 contact@moso-bamboo.co.za

Spain, France, Portugal, North Africa, Latin America and Middle East:

Moso Europe S.L.U.

C/ Pau Claris, 83 - Principal 2ª 08010 Barcelona Spain T +34 (0)93 574 9610 contact@moso.eu

Gulf Cooperation Council (GCC) Countries:

Moso Middle East LLC

202 Al Mansour Bldg.
Damascus Road, Al Qusais
P.O. Box: 384421, Dubai
United Arab Emirates
T +971 4 258 9337
contact@moso.ae

North America:

Moso North America Inc.

8400 B Remington Ave Pennsauken, NJ 08110 United States of America T +1 855 343 8444

info@moso-bamboo.com

Italy:

Moso Italia S.R.L

Via Antonio Locatelli 86 20853 Biassono (MB) Italy

T +39 (0)39 900 5440 mosoitalia@moso.eu

