MOSO® Bamboo N-durance® **Outdoor Decking**

MOSO® Bamboo N-durance® Decking is a solid, Outdoor-Density® board, made from compressed bamboo strips. Bamboo N-durance® has a warm caramel colour, resulting from a steam-pressure treatment of the bamboo material. A special crushing and compression technique increases the hardness and stability and provides Bamboo N-durance® with the highest durability class possible in the appropriate EU norms. Bamboo N-durance®'s end-match system enables an unlimited number of boards to be connected creating a visually infinite length. The special symmetrical shape offers the possibility to choose between either the grooved or the flat surface and allows for quick installation with MOSO® Fasteners. When exposed to outdoor conditions, the caramel colour of MOSO® Bamboo N-durance® will fade naturally.
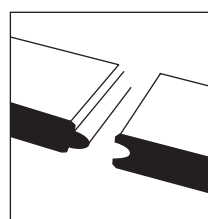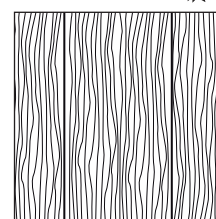
Standard Groove / Flat
(reversible board)

Curved

End-match system

Outdoor-Density®

P: Superficial preservative against surface fungi, **Sikkens**: Sikkens Cetol WF 771 Ipe
Ends of the boards are protected with Sikkens Kodrin WV 456 sealer.

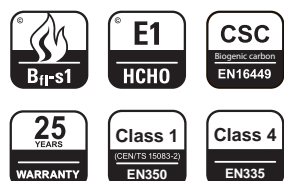| Product Code	Surface	Finish	Edge groove	End-matched	Length edges	End edges	Dimensions (mm)
BO-DTC171G-01	Grooved/Flat	P + Sikkens	2 sides	Yes	R3	2 mm x 45°	1850x137x20
BO-DTC191G-C-01	Curved	P + Sikkens	2 sides	Yes	R3	2 mm x 45°	1850x155x20

Installation summary

- Install a suitable, fixed, stable and durable sub frame. MOSO® recommends the use of MOSO® Thermo-Density or Outdoor-Density ® 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 edge grooves of the board) or alternatively with screws (through the surface).
- Use a 1-2% slope and ensure good ventilation of the decking.
  Decking boards with the curved surface (BO-DTC191G-C) are designed to be installed without a slope. Thanks to the curved surface, fast water drainage from the the decking boards is guaranteed.
- After installation: make sure proper cleaning and maintenance is done.
- Bamboo N-durance® is supplied with a Sikkens Cetol WF 771 finish. In order to maintain the rich caramel colour it is recommended to maintain the decking with Sikkens Cetol WF 771 after one year.
- Periodic maintenance with Sikkens Cetol WF 771 is required to maintain the anti-surface fungi resistance.
- Periodic maintenance is required to retain the caramel colour and ensure the luxurious appearance.
- Store in a cool and dry place away from direct sunlight, and protected from weather influences, dirt and dust.
- For further info: please see the installation/maintenance instructions.
- Full version available on ▶ **www.moso-bamboo.com/n-durance/decking**

Technical characteristics and certifications

- Density: ± 1200 kg/m³
- Resistance to Indentation - Brinell Hardness: ± 9.5 kg/mm² (average value - EN 1534)
- Reaction to fire: Class Bfl-s1 (EN 13501-1)
- Slip resistance: R 10 (CEN/TS 16165 Annex B - DIN 51130)
- Thermal emittance: 0.89 (ASTM C1371) [1]
- Solar Reflectance (SR): 0.29 (ASTM C1549) [1]
- Solar Reflectance Index (SRI): Low 29, Medium 31, High 32 (ASTM E1980) [1]
- Modulus of Elasticity: 12090 N/mm² (mean value - EN 408)
- Bending strength: 99.6 N/mm² (characteristic value - EN 408)
- Biological durability: Class 1 according to EN 350 / CEN/TS 15083-2, simulated graveyard test / Class 1 according to EN 350 / EN 113-2 (CEN/TS 15083-1)
- Superficial preservatives and finish: comply with European biocide product regulation (BPR) and are not listed on the restrictions list of REACH Annex XVII/candidate list.
- Effectiveness against surface fungi: Class 0, Strong fungi static (EN ISO 846), treatment only superficial.
- Use Class: Class 4 (EN 335)
- 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 N-durance®.

Also available with
FSC® certification.

The mark of
responsible forestry
FSC® C002063

Profile drawings
available here ▶
**www.moso-bamboo.com/
outdoor-profile-drawings**

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