

MOSO® Bamboo N-durance® Outdoor Cladding

Closed profile

MOSO® Bamboo N-durance® Cladding 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 on the bamboo material. A special crushing and compression technique increases the hardness and stability and provides MOSO® Bamboo N-durance® with the highest durability class possible within the appropriate EU norms. The cladding with closed profile is developed to meet the highest fire requirements and is installed with a hidden screw. The Sikkens Cetol Savanna finish gives Bamboo N-durance® Cladding boards a lighter colour, providing a very elegant amber-coloured appearance.

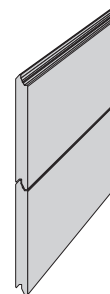
Closed profile
65 mm



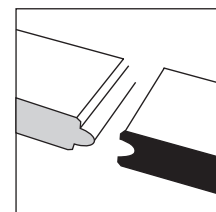
Closed profile
100 mm



Closed profile
137 mm



End-matched



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

Product Code	Profile	Finish	Surface	End-matched	Length edges	End edges	Effective width (mm)	Dimensions (mm)
BO-DTC537-02	Closed	P + Sikkens	Flat	Yes	R1	2 mm x 45°	52,5	1850x65x18
BO-DTC536-02	Closed	P + Sikkens	Flat	Yes	R1	2 mm x 45°	87,5	1850x100x18
BO-DTC531-02	Closed	P + Sikkens	Flat	Yes	R1	2 mm x 45°	124,5	1850x137x18

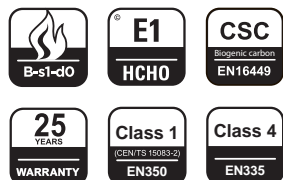
Installation summary

- Fix the vertical battens using screws going through the membrane into the wall construction behind. This creates a rigid/flat surface for installation of the boards.
- In case of vertical installation: On top of these vertical battens, add a set of horizontal battens creating a rigid/flat surface onto which the boards can be fixed.
- Horizontal installation:
 - Start with the lowest row of boards and make sure they are placed fully level (using a spirit level).
 - Make sure a ventilation gap (7-10 mm) is kept on the edge of the cladding.
 - Place boards on top of the existing row and make sure no seams/gaps exist between the boards.
- Vertical installation:
 - Start with the first row of boards and make sure they are placed completely vertical (using a spirit level).
 - Make sure a ventilation gap (7-10 mm) is kept on the edge of the cladding. Ensure the tongue of the board end is positioned upwards, to avoid water staying in the groove.
 - Place boards on top of the existing row and make sure no seams/gaps exist between the boards.
- The cladding can be left without any maintenance, but take into consideration that without maintenance and re-applying Sikkens Cetol WF 771 Savanna the cladding will develop a rougher, fissured surface that will lighten quicker and the caramel colour of MOSO® Bamboo N-durance® will fade naturally..
- MOSO® guarantees the bamboo material and the mounting materials (screw) it supplies but does not guarantee the connection with other materials (such as sub frame joist/battens). It is the responsibility of the installer to make sure the screws used match such materials during the full lifetime of the product.
- 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/n-durance/cladding

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 B-s1-d0 (EN 13501-1)¹⁾
- Thermal emittance: 0.89 (ASTM C1371)²⁾
- Solar Reflectance (SR): 0.29 (ASTM C1549)²⁾
- Solar Reflectance Index (SRI): Low 29, Medium 31, High 32 (ASTM E1980)²⁾
- Modulus of Elasticity: 12090 N/mm² (mean value - EN 408)
- Bending strength: 99.6 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)
- 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®), SS 7 v2009: MR 6, MR 7 (FSC®)
- Contribution BREEAM: MAT 1, MAT 3 (FSC®), MAT 5 (HD)
- Guarantee: 25 years

¹⁾ Tested on 18 mm thickness, without gaps between boards, with ventilation space behind boards.
²⁾ Tested on 3 years weathered MOSO® Bamboo N-durance®.



Also available with FSC® certification.



The mark of responsible forestry
FSC® C002063



breeam

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

