

MOSO® BAMBOO



Outdoor

SUSTAINABLE BY NATURE.
ENGINEERED TO ENDURE.



OUR MISSION

“We inspire people by continuously developing high quality engineered bamboo solutions for the built environment. As a trusted partner we offer a portfolio of innovative, sustainable products.”

— Norman Willemsen,
CEO of MOSO® Bamboo



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New products 2027

Dear customer,

We are excited to introduce a new addition to our outdoor product portfolio.

'Giant Bamboo' – Long lengths decking, cladding and beams.

Longer lengths for decking, cladding and beams made of single, full length strips.

These longer boards unlock new design possibilities:

- Fewer joints for a cleaner, more seamless appearance, especially on large surfaces.
- Full-length vertical boards for façade applications, spanning slab-to-slab.
- Longer beams ideal for window coverings and architectural blinds and screens.

After years of refining our production process, the 5th generation of our X-treme and N-durance products now includes stable, longer boards up to 4 meters in length.

New dimensions available:

- Decking: 1,85 m, 2,78 m, 3,70 m, 4,16 m.
- Cladding: 1,85 m, 3,05 m, 3,65 m
- Beams: 2,0 m, 4,0 m

These longer boards align perfectly with contemporary architectural trends, emphasising long, continuous lines and offering enhanced surface stability. This is 'the real MOSO® Bamboo': Innovative, sustainable, and built for bold design.

MOSO® Bamboo Elegance - timeless grey, zero maintenance

MOSO® Bamboo is now offering Bamboo X-treme decking and cladding in the colour option 'Elegance': our new range of pre-greyed boards designed for outdoor decking and cladding. Thanks to a unique preparation process, these boards maintain their elegant grey tone over time, no maintenance required. Crafted for durability and aesthetics, MOSO® Bamboo X-treme Elegance offers:

- A naturally aged grey finish with timeless appeal.
- Exceptional hardness and dimensional stability.
- Stain resistance and weather resilience, even under extreme temperature fluctuations.
- The bamboo acting as a CO₂ carbon storage, supporting sustainable building practices.

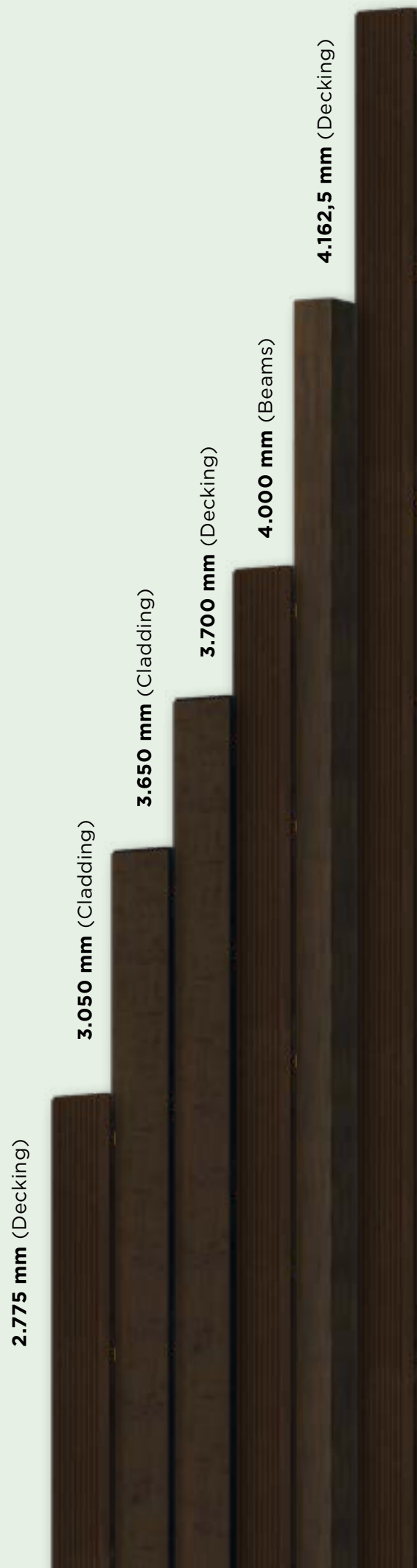
Intended applications:

Perfect for decking and cladding projects where low environmental impact and minimal maintenance are essential, especially in locations where maintenance is challenging or infrequent.

These products are offered as Make-To-Order. Please contact our sales representatives to learn more.

Norman Willemsen,
CEO of MOSO® Bamboo





NEW

Long, longer, longest

MOSO® Bamboo is expanding the Bamboo X-treme and N-durance ranges with **'Giant Bamboo'**. This consists of new board lengths, in addition to the existing 1.850 mm format for decking and cladding, and 2.000 mm for beams. This expansion brings greater creative freedom for architectural and landscape applications.

NEW

Elegance is the new finish

MOSO® Bamboo is now offering Bamboo X-treme decking and cladding in the colour option 'Elegance'. This gives the boards a beautiful pre-aged grey appearance, similar to the natural grey of weathered Bamboo X-treme. With Elegance, no maintenance is needed. Elegance boards are Make-To-Order, you can find them on page 90.



MOSO® BAMBOO OUTDOOR



Two product families

We offer two types of high-density bamboo for outdoor applications, both renowned for their exceptional hardness, durability, and environmental performance. Suitable for decking, cladding, fencing, stairs, and outdoor furniture, each type is manufactured using a different production process, resulting in distinct colours, characteristics, and maintenance requirements.

MOSO® Bamboo X-treme



Thermo-Density heat treatment at 190-200°C, removes the sugar and starch content from the bamboo, changing the colour of the bamboo to dark brown and enhancing durability.

MOSO® Bamboo N-durance



Outdoor-Density steam pressure process at 130-140°C introduces carbonization, modifying the sugar content which results in a warm caramel colour.

MOSO® BAMBOO

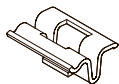
Benefits



LASTING OUTDOOR ELEGANCE

**Beautiful natural surfaces
with a refined appearance**

Designed for hidden installation and long-term performance. Embrace natural ageing to grey or keep a natural brown character with a protective finish.



EASY TO USE AND RE-USE

**Fast and easy
installation**

With prefinished boards and clip systems, MOSO® Bamboo is installed swiftly. The clip system also allows for easy demounting and, thus, re-use.



STRONGER THAN HARDWOOD

**Backed by EU product
warranty up to 25 years**

MOSO® Bamboo outdoor products are exceptionally hard and durable. In fact, they are harder than any tropical hardwood available.



NATURALLY FIRE RESISTANT

No fire retardants needed

MOSO® Bamboo outdoor can be easily applied in public projects without additional protective measures. MOSO® Bamboo outdoor products reach up to EU fire class B.



ENDLESS RESOURCE

**Grows up to
one meter a day**

Bamboo, the fastest growing plant on earth, reaches harvest maturity in just four to five years and regenerates after cutting. That means no deforestation.



SUSTAINABLE DESIGN BY NATURE

**Eco-conscious without
compromise**

MOSO® Bamboo products meet the highest technical standards, support LEED, BREEAM, QNG and DGNB certifications, are FSC® certified and act as a carbon storage.

“Bamboo is one
of the fastest
growing plants
on Earth”

PROVEN PERFORMANCE

Since 2008, over 7 million m² of MOSO® Bamboo cladding and decking have been installed in more than 60 countries, demonstrating proven performance across a wide range of applications and climates. Moreover, MOSO® Bamboo outdoor products are extensively tested by accredited research institutes. A summary of key results is available via the QR code.

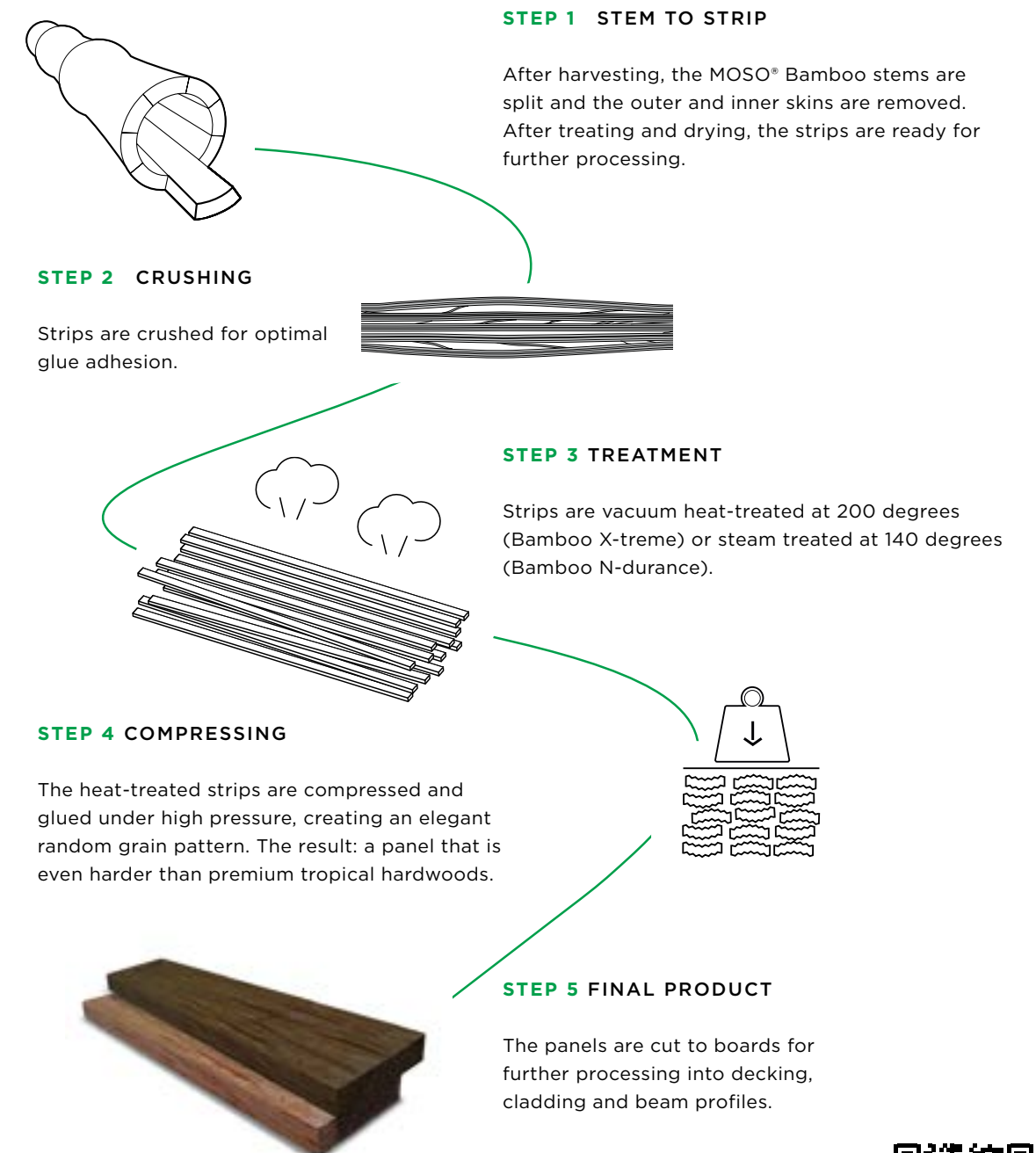


Engineered to endure

Our proprietary treatments improve dimensional stability and achieve the highest durability class for demanding outdoor applications. The incredible hardness and stability of MOSO® Bamboo products means less shrinking and swelling than most solid wood species, allowing easy installation. Even after many years of installation the MOSO® Bamboo decking boards remain straight in any climate, maintaining a natural, hardwood-like look.



After harvesting, bamboo stems are processed into strips and treated for outdoor durability. Strips are crushed, heat-treated, glued and compressed into boards or beams, then finished as needed.



More about
how bamboo
products are made



MOSO® BAMBOO

Outdoor Decking

Explore our two premium product lines, MOSO® Bamboo X-treme and MOSO® Bamboo N-durance, to find a certified, sustainable decking solution that locks enormous amounts of CO₂.





Amazon Web Services

CAPE TOWN, SOUTH AFRICA

MOSO® BAMBOO X-TREME DECKING

CARBON STORAGE | 66.467 KG CO₂

PHOTOGRAPHER | **Graeme Wyllie**

ARCHITECT | **Design Partnership**





Port of Adra

ADRA, SPAIN

MOSO® BAMBOO X-TREME DECKING

CARBON STORAGE | 49.866 KG CO₂

PHOTOGRAPHER | Nicolás Díaz

ARCHITECT | Buró4 Arquitectos

Muñoz y Trigo Arquitectos



The St. Regis Red Sea Resort

RED SEA, SAUDI ARABIA

MOSO® BAMBOO X-TREME DECKING

CARBON STORAGE | 2.130.240 KG CO₂

PHOTOGRAPHER | Red Sea Global. The St. Regis Red Sea Resort

ARCHITECT | Kengo Kuma





Danubeflats

VIENNA, AUSTRIA

MOSO® BAMBOO X-TREME AND N-DURANCE DECKING

CARBON STORAGE | 62.557 KG CO₂

PHOTOGRAPHER | György Palkó

ARCHITECT | project A.01 architects ZT GmbH



X-treme Decking

MOSO® Bamboo X-treme decking is a solid, highly durable board made from compressed bamboo strips. Thanks to the Thermo-Density heat treatment (190-200°C) and compression X-treme decking reaches the highest European durability class, and offers outstanding hardness and stability.

NEW

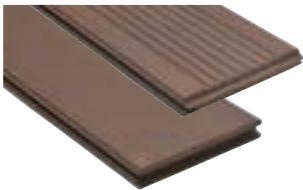
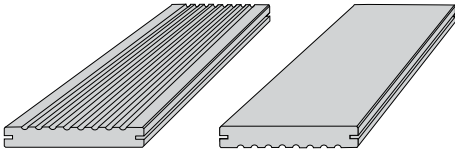
Similar to tropical hardwoods, MOSO® Bamboo X-treme turns grey over time when exposed to outdoor conditions, creating a very natural look. The new **‘Elegance’ colour** gives decking boards a pre-aged grey appearance, similar to Bamboo X-treme’s natural grey. This product is Make-To-Order, find more about the product on **page 90**.

NEW

MOSO® Bamboo expands the range with new **‘Giant Bamboo’** board lengths of 2.775 mm, 3.700 mm, and 4.162,5 mm, in addition to the existing 1.850 mm format. This introduces **greater creative freedom** for architectural and landscape applications. Make-To-Order variants are found on **page 90**.

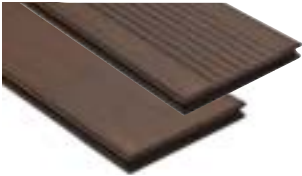
STANDARD GROOVE - FLAT

The symmetrical shape of the sides offers the possibility to choose between either the grooved or the flat surface.



NEW

Bamboo X-treme Decking Groove / Flat 137 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x137x20 mm
Product code:	BO-DTHT171G
Board:	0,25 m ² - 1,85 m ¹ - 5,5 kg
Pallet content:	192 pcs. - 48,66 m ² - 355,2 m ¹ - ca. 1100 kg
Dimensions:	4162,5x137x20 mm
Product code:	BO-DTHT171G-4162.5
Board:	0,57 m ² - 4,16 m ¹ - 13,3 kg
Pallet content:	104 pcs. - 59,31 m ² - 432,9 m ¹ - ca. 1380 kg



Bamboo X-treme Decking Groove / Flat 155 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x155x20 mm
Product code:	BO-DTHT191G
Board:	0,29 m ² - 1,85 m ¹ - 6,3 kg
Pallet content:	168 pcs. - 48,18 m ² - 310,8 m ¹ - ca. 1100 kg



Bamboo X-treme Decking Groove / Flat 178 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x178x20 mm
Product code:	BO-DTHT211G
Board:	0,33 m ² - 1,85 m ¹ - 6,9 kg
Pallet content:	144 pcs. - 47,42 m ² - 266,4 m ¹ - ca. 1100 kg

STANDARD GROOVE - FLAT - 30 MM

The board shape offers the possibility to choose between either the grooved or the flat surface. The 30 mm thickness allows installation with more space between the joists or more load on the normal span.



Bamboo X-treme Decking Groove / Flat 137x30 mm	
Installation:	On joists, screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x137x30 mm
Product code:	BO-DTHT371
Board:	0,25 m ² - 1,85 m ¹ - 8,3 kg
Pallet content:	128 pcs. - 32,44 m ² - 236,8 m ¹ - ca. 1100 kg



NON-SLIP

MOSO® Bamboo X-treme non-slip decking boards include two lines of black non-slip grit with epoxy, inserted in a dovetail groove, to allow for extremely high slip resistance.



Bamboo X-treme Decking with 2 Non-slip lines 137 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x137x20 mm
Product code:	BO-DTHT171G-AS2
Board:	0,25 m ² - 1,85 m ¹ - 5,5 kg
Pallet content:	192 pcs. - 48,66 m ² - 355,2 m ¹ - ca. 1100 kg

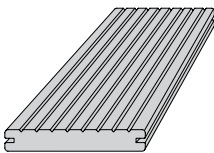


Scan for
technical
installation
guide

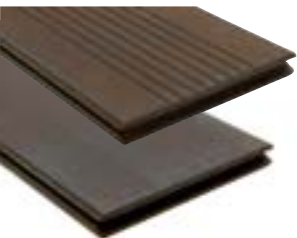


V-GROOVE - ROUGH SANDED

The special symmetrical shape of the sides offers the possibility to choose between either the V-grooved or the rough sanded surface. The rough sanded side is especially suitable for applications where increased slip resistance is required.



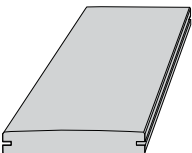
Bamboo X-treme Decking V-groove / Rough sanded 155 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x155x20 mm
Product code:	BO-DTHT191GV-R
Board:	0,29 m ² - 1,85 m ¹ - 6,3 kg
Pallet content:	168 pcs. - 48,18 m ² - 310,8 m ¹ - ca. 1100 kg



Bamboo X-treme Decking V-groove / Rough sanded 208 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x208x20 mm
Product code:	BO-DTHT231GV-R
Board:	0,39 m ² - 1,85 m ¹ - 8,85 kg
Pallet content:	125 pcs. - 48,13 m ² - 231,25 m ¹ - ca. 1100 kg

CURVED - ROUGH SANDED

A fast dry system: “Curved” means that the surface is smooth and slightly convex which offers some very practical advantages. Due to the slight curvature (1.5mm higher in the centre), the water drains directly to the side, so that the boards, e.g. after rain, quickly dry up again and retain less dirt. The new shape also makes installation easier – unlike other decking boards, no slope is required for the installation.



NEW

Bamboo X-treme Decking Curved rough sanded 155 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x155x20 mm
Product code:	BO-DTHT191G-C-R
Board:	0,29 m ² - 1,85 m ¹ - 6,3 kg
Pallet content:	168 pcs. - 48,18 m ² - 310,8 m ¹ - ca. 1100 kg
Dimensions:	4162,5x155x20 mm
Product code:	BO-DTHT191G-C-R-4162.5
Board:	0,65 m ² - 4,16 m ¹ - 15,2 kg
Pallet content:	91 pcs. - 58,71 m ² - 378,79 m ¹ - ca. 1380 kg



Bamboo X-treme Decking Curved Rough Sanded 178 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x178x20 mm
Product code:	BO-DTHT211G-C-R
Board:	0,33 m ² - 1,85 m ¹ - 7,6 kg
Pallet content:	144 pcs. - 47,42 m ² - 266,4 m ¹ - ca. 1100 kg

CHEVRON

MOSO® Bamboo X-treme chevron decking offers the most luxurious appearance and matches nicely with the popular pattern for indoor flooring. Pattern floors like herringbone and chevron have been very popular for many years for interiors. With MOSO® Bamboo X-treme chevron decking it is possible to bring the chevron pattern to your outdoor decking, which is not possible with hardwood or plastic composite decking. To make installation of the chevron pattern easy and precise, a dedicated installation tool has been developed (see page 99).



Bamboo X-treme Decking Chevron	
Installation:	On joists, with fasteners
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	566(703)x137x20 mm
Product code:	BO-DTHT163G-CHV
Pallet content:	576 pcs. - 44,66 m ² - 326 (405) m ¹ - ca. 1025 kg



CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Slip resistance - Pendulum friction test:
- Slip resistance - Shod ramp test:
- Slip resistance - Barefoot ramp test:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Maintenance:
- Guarantee:
- Footnotes:

MOSO® BAMBOO X-TREME DECKING

± 1.150 kg/m³
length: + 0,1 %; width + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class Bfl-s1 (EN 13501-1, End Use) ¹
PTV 55 (Standard Groove/Flat, Dry), PTV 29 (Standard Groove/Flat, Wet),
PTV 91 (Rough sanded, Dry), PTV 42 (Rough sanded, Wet)
(CEN/TS 16165 Annex C - CEN/TS 15676)
R 10 (Standard Groove/Flat), R 11 (Rough sanded), R 13 (Non-slip)
(CEN/TS 16165 Annex B - DIN 51130)
Class C (Standard Groove/Flat) (CEN/TS 16165 Annex A - DIN 51097)
0,81 (ASTM C1371) ²
0,32 (ASTM C1549) ²
Low 27, Medium 30, High 33 (ASTM E1980) ²
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm)
(characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test /
Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
When not applying outdoor oil regularly, the deck will acquire a grey colour
tone and the typical bamboo grain structure will become more visible.
25 years ³
¹ Tested on thickness range 18-33 mm, Woca oiled MOSO® Bamboo X-treme.
² Tested on 3 years weathered MOSO® Bamboo X-treme.
³ Non-slip components are not covered by this warranty.

Class A

Bfl-s1

EPD

CSC

Class 1

Class M

Class 4

25 YEARS WARRANTY

breeam

DGNB

FSC

The mark of responsible forestry

Scan for technical installation guide

DECKING ACCESSORIES

The MOSO® Bamboo X-treme accessories are made of the same material as the decking boards: Thermo-Density heat-treated bamboo. Edge profiles can also be used to create staircases, in combination with panels.



Thermo-Density® Sub frame joist	
Finish:	Unfinished
Edges:	Square edge
Dimensions:	2440x60x40 mm
Product code:	BO-SB155
Beam:	2,44 m ¹ - 6,5 kg
Pallet content:	180 pcs. - 439,2 m ¹ - ca. 1200 kg



Bamboo X-treme Edge profile 20 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x65x30 mm
Product code:	BO-DTHTBN171G
Board:	0,12 m ² - 1,85 m ¹ - 2,8 kg
Pallet content:	312 pcs. - 37,52 m ² - 577,2 m ¹ - ca. 877 kg



Bamboo X-treme Stair Panel	
Edges:	Square edge
Finish:	Unfinished
Dimensions:	2440x320x38 mm
Product code:	BP-DTHT1080
Panel:	0,78 m ² - ca. 34 kg
Pallet content:	40 pcs. - 31,23 m ² - ca. 1300 kg



X-treme Decking

Click profile

The click profile offers a unique solution to install MOSO® Bamboo X-treme decking quickly and easily on aluminium rails with hidden and removable clips. The system allows an exact installation to obtain the most precise final result with an incredible design and is available from several suppliers. MOSO® Bamboo X-treme click profile decking boards are made from bamboo strips that have been compressed and thermally modified at 190-200°C. This unique process increases stability, density, and hardness. MOSO® Bamboo X-treme reaches the highest durability class in the appropriate EU norms.

DECKING CURVED - ROUGH SANDED - CLICK

A fast dry system: “Curved” means that the surface is smooth and slightly convex which offers some very practical advantages. Due to the slight curvature (1.5mm higher in the centre), the water drains directly to the side, so that the boards, e.g. after rain, quickly dry up again and retain less dirt. The new shape also makes installation easier – unlike other decking boards, no slope is required for the installation. The curved decking boards are supplied with grooves at the backside to match a click system and can be installed in one click.



Bamboo X-treme Decking Click 119 mm	
Installation:	With click system
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Curved, Rough sanded, Oiled Woca, end sides sealed
Dimensions:	1850x119x21 mm
Product code:	BO-DTHT221-CR-BG
Board:	0,22 m² - 1,85 m³ - 5,4 kg
Pallet content:	225 pcs. - 49,5 m² - 416,25 m³ - ca. 1200 kg



Bamboo X-treme Decking Click 155 mm	
Installation:	With Click system
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Curved, Rough sanded, Oiled Woca, end sides sealed
Dimensions:	1850x155x21 mm
Product code:	BO-DTHT191-CR-BG
Board:	0,29 m² - 1,85 m³ - 7,1 kg
Pallet content:	168 pcs. - 48,18 m² - 310,8 m³ - ca. 1100 kg



Luxurious garden with a touch of Bali - Arnhem, the Netherlands
ARCHITECT TIM Exclusive Gardens | PHOTOGRAPHER Oliv'r Design

CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Slip resistance - Pendulum friction test:
- Slip resistance - Shod ramp test:
- Slip resistance - Barefoot ramp test:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Maintenance:
- Guarantee:
- Footnotes:

MOSO® BAMBOO X-TREME DECKING CLICK PROFILE

± 1.150 kg/m³
length: + 0,1 %; width + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class Bfl-s1 (EN 13501-1, End Use) ¹
PTV 55 (Standard Groove/Flat, Dry), PTV 29 (Standard Groove/Flat, Wet), PTV 91 (Rough sanded, Dry), PTV 42 (Rough sanded, Wet) (CEN/TS 16165 Annex C - CEN/TS 15676)
R 10 (Standard Groove/Flat), R 11 (Rough sanded), R 13 (Non-slip (CEN/TS 16165 Annex B - DIN 51130)
Class C (Standard Groove/Flat) (CEN/TS 16165 Annex A - DIN 51097)
0,81 (ASTM C1371) ²
0,32 (ASTM C1549) ²
Low 27, Medium 30, High 33 (ASTM E1980) ²
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm) (characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
When not applying outdoor oil regularly, the deck will acquire a grey colour tone and the typical bamboo grain structure will become more visible.
25 years
¹ Tested on thickness range 18-33 mm, Woca oiled MOSO® Bamboo X-treme on MOSO® Bamboo subframe joists.
² Tested on 3 years weathered MOSO® Bamboo X-treme.



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technical
installation
guide





Seafront terrace Pescara

PESCARA, ITALY

MOSO® BAMBOO N-DURANCE DECKING

CARBON STORAGE | 2.947,85 KG CO₂

PARTNER | Ravaoli

ARCHITECT | Studio Anderlini - Di Nardo Architetti





Higher Roch Tower

MONTPELLIER, FRANCE

MOSO® BAMBOO N-DURANCE DECKING

CARBON STORAGE | 130.995 KG CO₂

PHOTOGRAPHER | **Stefan Tuchila and Quentin Ducos**

ARCHITECT | **Brenac & Gonzalez et Associés**



N-durance 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 on the bamboo material. A special crushing and compression technique increases the hardness and stability, enabling MOSO® Bamboo N-durance to reach the highest European durability class 1 (EN 350).

NEW

MOSO® Bamboo expands the range with **new ‘Giant Bamboo’** board lengths of 2.775 mm, 3.700 mm, and 4.162,5 mm, in addition to the existing 1.850 mm format. This introduces **greater creative freedom** for architectural and landscape applications. Make-to-Order variants are found on **page 90**.

STANDARD GROOVE - FLAT



NEW

Bamboo N-durance Decking Groove / Flat 137 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x137x20 mm
Product code:	BO-DTC171G
Board:	0,25 m ² - 1,85 m ¹ - 5,92 kg
Pallet content:	192 pcs. - 48,66 m ² - 355,2 m ¹ - ca. 1140 kg
Dimensions:	4162,5x137x20 mm
Product code:	BO-DTC171G-4162.5
Board:	0,57 m ² - 4,16 m ¹ - 13,5 kg
Pallet content:	104 pcs. - 59,31 m ² - 432,9 m ¹ - ca. 1400 kg

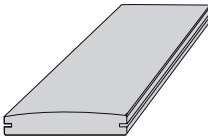
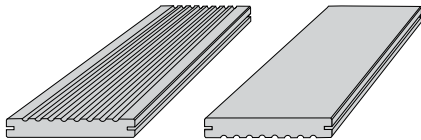
CURVED ROUGH SANDED

A fast dry system: “Curved” means that the surface is smooth and slightly convex which offers some very practical advantages. Due to the slight curvature (1.5mm higher in the centre), the water drains directly to the side, so that the boards, e.g. after rain, quickly dry up again and retain less dirt. The new shape also makes installation easier – unlike other decking boards, no slope is required for the installation.

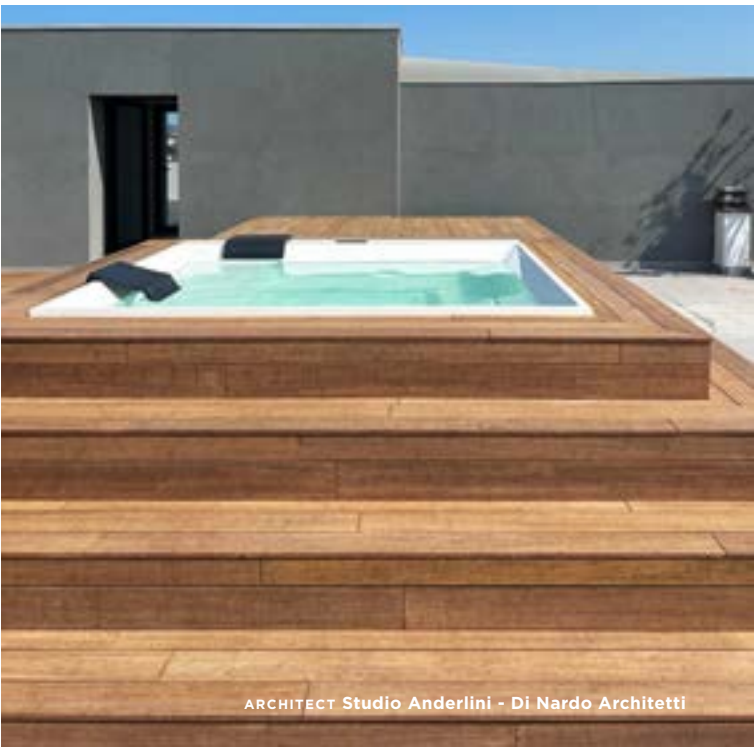


NEW

Bamboo N-durance Decking Curved Rough Sanded 155 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x155x20 mm
Product code:	BO-DTC191G-C-R
Board:	0,29 m ² - 1,85 m ¹ - 6,72 kg
Pallet content:	168 pcs. - 48,18 m ² - 310,8 m ¹ - ca. 1130 kg
Dimensions:	4162,5x155x20 mm
Product code:	BO-DTC191G-C-R-4162.5
Board:	0,65 m ² - 4,16 m ¹ - 15,2 kg
Pallet content:	91 pcs. - 58,71 m ² - 378,79 m ¹ - ca. 1380 kg



ARCHITECT Quiet Studios | PHOTOGRAPHER Pedro Machado



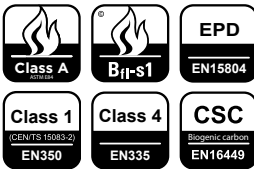
ARCHITECT Studio Anderlini - Di Nardo Architetti

CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Slip resistance:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Superficial preservatives and finish:
- Effectiveness against surface fungi:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Yearly maintenance
- Guarantee:
- Footnotes:

MOSO® BAMBOO N-DURANCE DECKING

± 1.200 kg/m³
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class Bfl-s1 (EN 13501-1, End Use) ¹
R 10 (Standard Groove/Flat), R 11 (Rough sanded)
0,89 (ASTM C1371) ²
0,29 (ASTM C1549) ²
Low 29, Medium 31, High 32 (ASTM E1980) ²
12.090 N/mm² (≤ 20 mm) (mean value - EN 408)
99,6 N/mm² (≤ 20 mm) (characteristic value - EN 408)
691 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
comply with European biocide product regulation (BPR) and are not listed on the restrictions list of REACH Annex XVII/candidate list.
Class 0, Strong fungi static (EN ISO 846), treatment only superficial.
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
with exterior oil or saturator is required to maintain the anti-surface fungi resistance, retain the caramel colour and ensure the luxurious appearance.
25 years
¹ Tested on 20 mm thickness, Woca oiled MOSO® Bamboo N-durance.
² Tested on 3 years weathered MOSO® Bamboo N-durance.



The mark of responsible forestry
FSC® C002063

Scan for technical installation guide



N-durance Decking

Accessories

The MOSO® Bamboo N-durance additional products are made of the same material as the decking boards: Outdoor-Density bamboo. The edge profile is intended for an elegant finish of the sides of the decking. Edge profiles can also be used to create stairs.



Bamboo N-durance Edge profile 20 mm	
Installation:	On joists, with fasteners or screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Oiled Woca, end sides sealed
Dimensions:	1850x65x30 mm
Product code:	BO-DTCBN171G
Board:	0,12 m ² - 1,85 m ¹ - 2,8 kg
Pallet content:	312 pcs. - 37,52 m ² - 577,2 m ¹ - ca. 877 kg



Outdoor-Density® Sub frame joist	
Finish:	Unfinished
Edges:	Square edge
Dimensions:	2440x60x40 mm
Product code:	BO-SB355
Beam:	2,44 m ¹ - 6,5 kg
Pallet content:	180 pcs. - 439,2 m ¹ - ca. 1200 kg



N-durance Decking

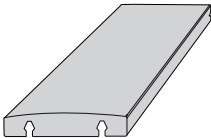
Click profile

The click profile offers a unique solution to install MOSO® Bamboo N-durance decking quickly and easily on aluminium rails with hidden and removable clips. The system allows an exact installation to obtain the most precise final result with an incredible design. MOSO® Bamboo N-durance click profile decking boards are 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.



CURVED ROUGH SANDED - CLICK

A fast dry system: “Curved” means that the surface is smooth and slightly convex which offers some very practical advantages. Due to the slight curvature (1.5mm higher in the centre), the water drains directly to the side, so that the boards, e.g. after rain, quickly dry up again and retain less dirt. The new shape also makes installation easier – unlike other decking boards, no slope is required for the installation. The curved decking boards are supplied with grooves at the backside to match a click system and can be installed in one click.



Bamboo N-durance Decking Click 119 mm	
Installation:	With click system
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Curved, Rough sanded, Oiled Woca, end sides sealed
Dimensions:	1850x119x21 mm
Product code:	BO-DTC221-CR-BG
Board:	0,22 m ² - 1,85 m ¹ - 5,4 kg
Pallet content:	225 pcs. - 49,5 m ² - 416,25 m ¹ - ca. 1200 kg



Bamboo N-durance Decking Click 155 mm	
Installation:	With click system
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Curved, Rough sanded, Oiled Woca, end sides sealed
Dimensions:	1850x155x21 mm
Product code:	BO-DTC191-CR-BG
Board:	0,29 m ² - 1,85 m ¹ - 6,7 kg
Pallet content:	168 pcs. - 48,18 m ² - 310,8 m ¹ - ca. 1125 kg



ARCHITECT Álvaro Pereira | Banema | Pedro Cardoso | PHOTOGRAPHER Alvaro Jose pereira

CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Slip resistance:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Superficial preservatives and finish:
- Effectiveness against surface fungi:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Yearly maintenance
- Guarantee:
- Footnotes:

MOSO® BAMBOO N-DURANCE DECKING CLICK PROFILE

± 1.200 kg/m³

± 9,5 kg/mm² (average value - EN 1534)

Class A (ASTM E84)

Up to Class Bfl-s1 (EN 13501-1, End Use) ¹

R 10 (Standard Groove/Flat), R 11 (Rough sanded)

0,89 (ASTM C1371) ²

0,29 (ASTM C1549) ²

Low 29, Medium 31, High 32 (ASTM E1980) ²

12.090 N/mm² (≤ 20 mm) (mean value - EN 408)

99,6 N/mm² (≤ 20 mm) (characteristic value - EN 408)

691 N/mm² (20-40 mm) (characteristic mean value - EN 789)

Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))

comply with European biocide product regulation (BPR) and are not listed on the restrictions list of REACH Annex XVII/candidate list.

Class 0, Strong fungi static (EN ISO 846), treatment only superficial.

Class 4 (EN 335)

EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)

Carbon storage calculation method (EN 16449:2014)

Products with FSC® certification.

MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)

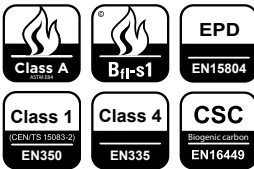
MAT 1, MAT 3 (FSC®), MAT 5 (HD)

with exterior oil or saturator is required to maintain the anti-surface fungi resistance, retain the caramel colour and ensure the luxurious appearance.

25 years

¹ Tested on 20 mm thickness, Woca oiled MOSO® Bamboo N-durance on MOSO® Bamboo subframe joists.

² Tested on 3 years weathered MOSO® Bamboo N-durance.



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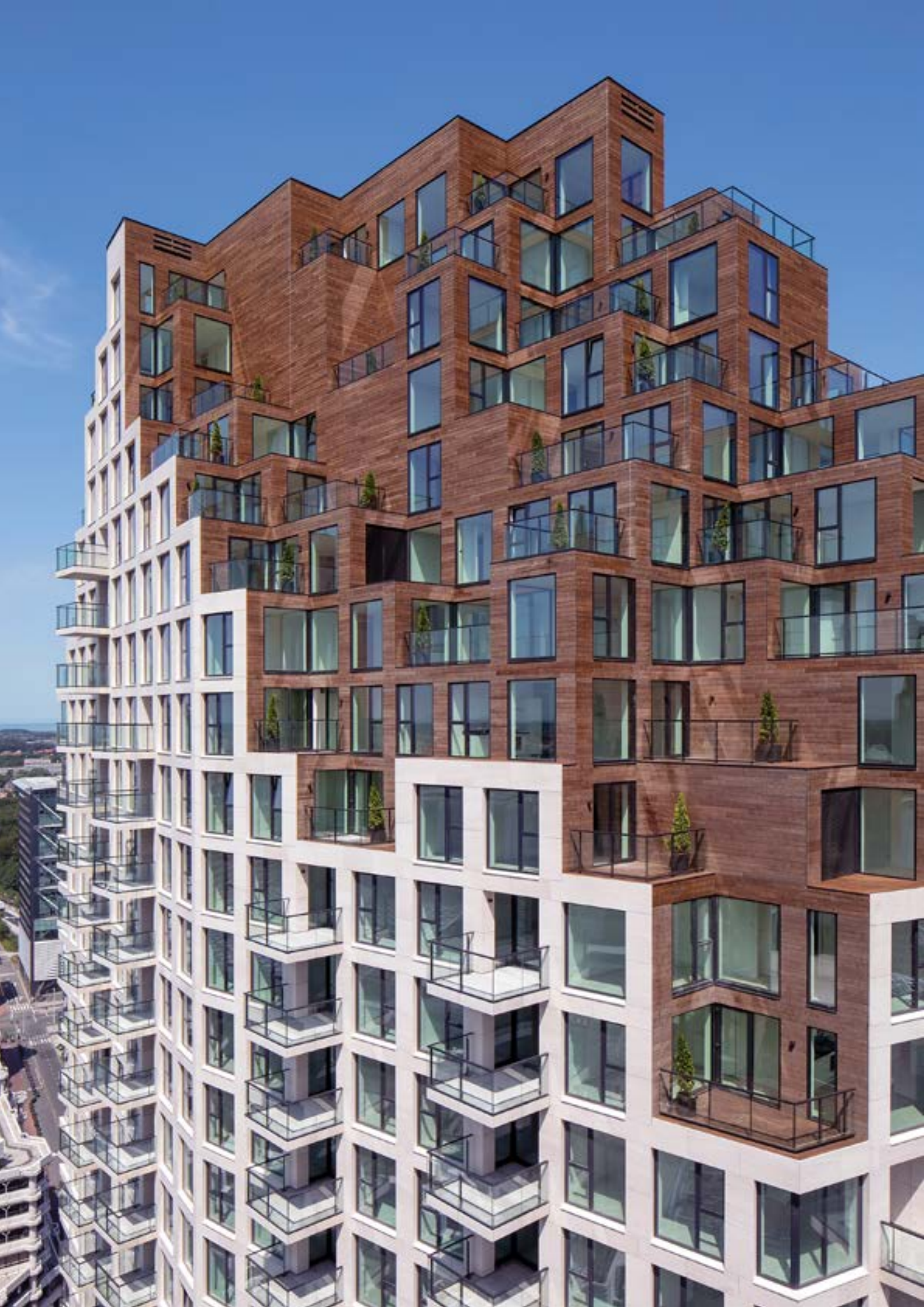
Scan for technical installation guide



MOSO® BAMBOO

Outdoor Cladding

MOSO® Bamboo cladding offers a sustainable, fire-safe alternative to wood, with a natural look and feel. Explore our MOSO® Bamboo X-treme and MOSO® Bamboo N-durance ranges to find the perfect solution for your project.



Grotius Towers

THE HAGUE, THE NETHERLANDS

MOSO® BAMBOO X-TREME CLOSED CLADDING AND DECKING

CARBON STORAGE | 155.533 KG CO₂

PHOTOGRAPHER | Daria Scagliola

ARCHITECT | MVRDV





Speehuis

OISTERWIJK, THE NETHERLANDS

MOSO® BAMBOO X-TREME CLADDING

CARBON STORAGE | 15.736 KG CO₂

PHOTOGRAPHER | Ossip van Duivenbode

ARCHITECT | Spee Architects





Hertz Office

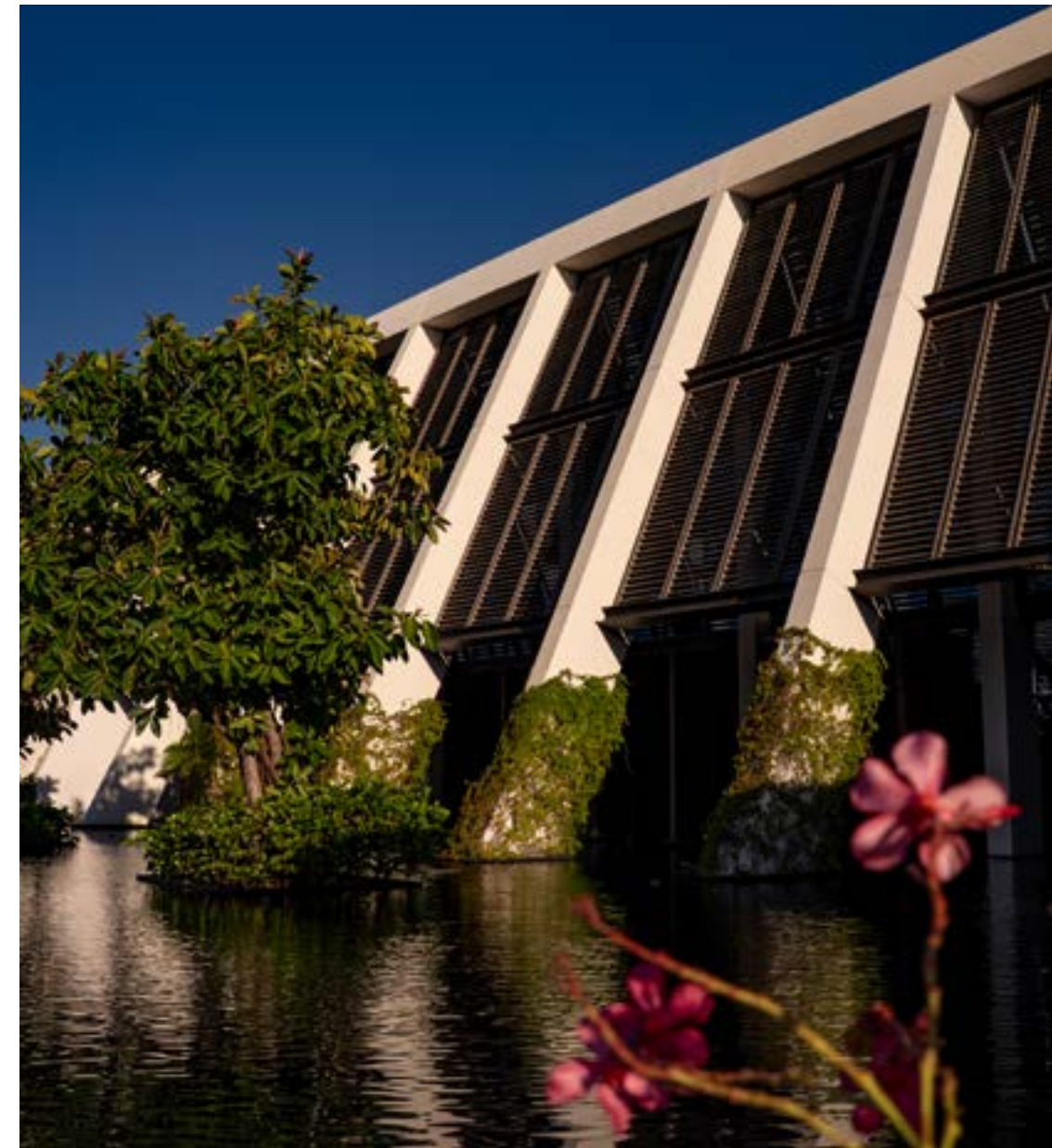
BONN, GERMANY

MOSO® BAMBOO X-TREME CLADDING, VARIBO

CARBON STORAGE | **39.470,55 KG CO₂**

PHOTOGRAPHER | **Michael van Houten**

ARCHITECT | **Ten Brinke**



Kanai Edition Riviera Maya

RIVIERA MAYA, MEXICO

MOSO® BAMBOO X-TREME BEAMS & CLADDING

CARBON STORAGE | 258.620 KG CO₂

PHOTOGRAPHER | **Dragorini**

ARCHITECT | **Alhel & Edmonds**





Open Park Villa

BOSWAARD, THE NETHERLANDS

MOSO® BAMBOO X-TREME CLADDING

CARBON STORAGE | 9.973 KG CO₂

PHOTOGRAPHER | Tim van de Velde

ARCHITECT | i29 architecten



X-treme Cladding

Varibo

MOSO® Bamboo X-treme Varibo has been developed to meet the demand for cladding with boards of different width and thickness. An elegant product range to enhance any façade using boards or slats in different widths and thicknesses to create a stunning 3D look over the full façade. MOSO® Bamboo X-treme cladding is a solid, highly durable board made from compressed bamboo strips. Thanks to the Thermo-Density heat treatment (190-200°C) and compression MOSO® Bamboo X-treme cladding reaches the highest European durability class, and offers outstanding hardness and stability.

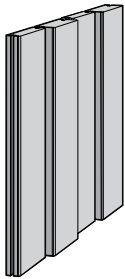
NEW

MOSO® Bamboo expands the range with **new ‘Giant Bamboo’** board lengths of 3.050 mm and 3.650 mm, in addition to the existing 1.850 mm format. This introduces **greater creative freedom** for architectural applications. Make-To-Order variants are found on **page 88 and further**.

VARIBO



Bamboo X-treme Cladding board Varibo profile	
Ends:	End match system
Installation:	With fasteners
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x65x18 mm
Product code:	BO-DTHT187G
Board:	1,85 m ¹ - 2,53 kg
Pallet content:	459 pcs. - 849,2 m ¹ - ca. 1150 kg
Dimensions:	1850x100x18 mm
Product code:	BO-DTHT186G
Board:	1,85 m ¹ - 3,9 kg
Pallet content:	297 pcs. - 549,5 m ¹ - ca. 1150 kg
Dimensions:	1850x137x18 mm
Product code:	BO-DTHT185G
Board:	1,85 m ¹ - 4,95 kg
Pallet content:	216 pcs. - 399,6 m ¹ - ca. 1100 kg
Dimensions:	1850x178x18 mm
Product code:	BO-DTHT218G
Board:	1,85 m ¹ - 6,93 kg
Pallet content:	144 pcs. - 266,4 m ¹ - ca. 1100 kg
Dimensions:	1850x65x30 mm
Product code:	BO-DTHT387G
Board:	1,85 m ¹ - 4,21 kg
Pallet content:	256 pcs. - 473,6 m ¹ - ca. 1075 kg
Dimensions:	1850x100x30 mm
Product code:	BO-DTHT386G
Board:	1,85 m ¹ - 6,49 kg
Pallet content:	200 pcs. - 370 m ¹ - ca. 1300 kg



Villa Osiris Hertman - The Netherlands
ARCHITECT Studio Osiris Hertman | PHOTOGRAPHER Jurrit van der Waal

CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO X-TREME CLADDING VARIBO

± 1.150 kg/m³
length: + 0,1 %; width: + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class D-s1, d0 (EN 13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,81 (ASTM C1371) ¹
0,32 (ASTM C1549) ¹
Low 27, Medium 30, High 33 (ASTM E1980) ¹
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm)
(characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test /
Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo X-treme.



The mark of
responsible forestry
FSC® C002083

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installation
guide





X-treme Cladding

Closed profile

The closed profile cladding offers a great advantage with the fire protection up to class B-s2, d0 (EN 13501-1) for the complete system (end-use test), without the need for impregnation with expensive and environmentally harmful fire retardants. Made from compressed bamboo strips, these solid boards offer superior durability, stability, and hardness thanks to the Thermo-Density heat treatment (190-200 °C) and compression process.

NEW

Similar to tropical hardwoods, MOSO® Bamboo X-treme turns grey over time when exposed to outdoor conditions, creating a very natural look. The **new 'Elegance' colour** gives cladding boards a pre-aged grey appearance, similar to MOSO® Bamboo X-treme's natural grey. Find more about the product on **page 93**.

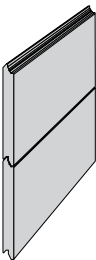
NEW

MOSO® Bamboo expands the range with **new 'Giant Bamboo'** board lengths of 3.050 mm and 3.650 mm (3650 mm is Make-To-Order), in addition to the existing 1.850 mm format. This introduces **greater creative freedom** for architectural applications. Make-To-Order variants are found on **page 88 and further**.

CLOSED PROFILE



Bamboo X-treme Cladding board Closed profile	
Ends:	End match system
Installation:	With screws - hidden in Closed profile
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x100(87.5)x18 mm
Product code:	BO-DTHT536
Board:	1,85 m ¹ - 3,9 kg
Pallet content:	216 pcs. - 399,6 m ¹ - ca. 840 kg
Dimensions:	1850x137(124,5)x18 mm
Product code:	BO-DTHT530
Board:	1,85 m ¹ - 5,34 kg
Pallet content:	216 pcs. - 399,6 m ¹ - ca. 1150 kg
Dimensions:	3050x137(124,5)x18
Product code:	BO-DTHT530-3050
Board:	3,05 m ¹ - 8,1 kg
Pallet content:	144 pcs. - 439,2 m ¹ - ca. 1170 kg
Dimensions:	1850x155(142.5)x18 mm
Product code:	BO-DTHT538
Board:	1,85 m ¹ - 6,04 kg
Pallet content:	210 pcs. - 370 m ¹ - ca. 1200 kg
Dimensions:	3050x155(142.5)x18
Product code:	BO-DTHT538-3050
Board:	3,05 m ¹ - 9,3 kg
Pallet content:	128 pcs. - 390,4 m ¹ - ca. 1190 kg

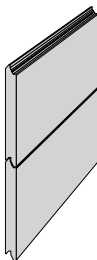


CLOSED PROFILE WITH FALSE GROOVE



NEW

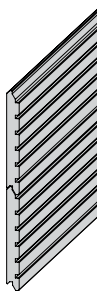
Bamboo X-treme Cladding board Closed profile with false groove	
Ends:	End match system
Installation:	With screws - hidden in Closed profile
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x155(142.5)x18 mm
Product code:	BO-DTHT538-2
Board:	1,85 m ¹ - 6,04 kg
Pallet content:	189 pcs. - 349,65 m ¹ - ca. 1150 kg
Dimensions:	3050x155x18 mm
Product code:	BO-DTHT538-2-3050
Board:	3,05 m ¹ - 9,3 kg
Pallet content:	128 pcs. - 390,4 m ¹ - ca. 1190 kg



CLOSED PROFILE CINCO



Bamboo X-treme Cladding board Cinco Closed profile	
Ends:	End match system
Installation:	With screws
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x155(142.5)x18mm
Product code:	BO-DTHT550
Board:	1,85 m ¹ - 5,78 kg
Pallet content:	189 pcs. - 349,65 m ¹ - ca. 1150 kg



CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO X-TREME CLADDING CLOSED PROFILE

± 1.150 kg/m³
length: + 0,1 %; width: + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class B-s2, d0 (EN13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,81 (ASTM C1371)¹
0,32 (ASTM C1549)¹
Low 27, Medium 30, High 33 (ASTM E1980)¹
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm) (characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo X-treme.



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X-treme Cladding

Rebated profile

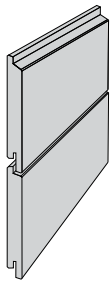
The MOSO® Bamboo X-treme rebated profile is a standard cladding product for installation with MOSO's Asymmetrical Fasteners. The rebated profile is available in two different dimensions: 137×18 and 75×18 mm, both can be combined in the same installation. MOSO® Bamboo X-treme cladding is a solid, highly durable board made from compressed bamboo strips and offers outstanding hardness and stability. Thanks to the Thermo-Density heat treatment (190-200 °C) and compression it reaches the highest European durability class, and offers outstanding hardness and stability.



REBATED PROFILE



Bamboo X-treme Cladding board Rebated profile	
Ends:	End match system
Installation:	With fasteners
Finish:	Unfinished
Edges:	Longitudinal sides with radius, end sides beveled
Dimensions:	1850x137(125)x18 mm
Product code:	BO-DTHT500G
Board:	1,85 m ³ - 4,95 kg
Pallet content:	216 pcs. - 399,6 m ³ - ca. 1100 kg
Dimensions:	1850x75(63)x18 mm
Product code:	BO-DTHT505G
Board:	1,85 m ³ - 2,7 kg
Pallet content:	459 pcs. - 849,2 m ³ - ca. 1100 kg



CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO X-TREME CLADDING REBATED PROFILE

± 1.150 kg/m³
length: + 0,1 %; width: + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class D-s2, d0 (EN13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,81 (ASTM C1371) ¹
0,32 (ASTM C1549) ¹
Low 27, Medium 30, High 33 (ASTM E1980) ¹
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm) (characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo X-treme.



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FSC® C002063

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X-treme Cladding

Click profile

The click profile offers a unique solution to install MOSO® Bamboo X-treme cladding quickly and easily on aluminium rails with hidden and removable clips. The system allows an exact installation to obtain the most precise final result with an incredible design. MOSO® Bamboo X-treme click profile cladding boards are made from bamboo strips that have been compressed and thermally modified at 190-200°C. This unique process increases stability, density, and hardness. MOSO® Bamboo X-treme is in the highest durability class in the appropriate EU norms.



Speehuis - Oisterwijk, the Netherlands
ARCHITECT Spee Architects | PHOTOGRAPHER Ossip van Duivenbode

CLICK PROFILE



Bamboo X-treme Cladding board Click profile	
Ends:	Without end match system
Installation:	With click installation system
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x45x20 mm
Product code:	BO-DTHT1180-BG
Board:	1,85 m ¹ - 1,94 kg
Pallet content:	600 pcs. - 1110 m ¹ - ca. 1150 kg
Dimensions:	1850x64x20 mm
Product code:	BO-DTHT1190-BG
Board:	1,85 m ¹ - 2,76 kg
Pallet content:	408 pcs. - 754,8 m ¹ - ca. 1150 kg
Dimensions:	1850x119x20 mm
Product code:	BO-DTHT220-BG
Board:	1,85 m ¹ - 5,15 kg
Pallet content:	225 pcs. - 416,25 m ¹ - ca. 1150 kg



Bamboo X-treme Cladding board Click Closed profile	
Ends:	End match system
Installation:	With click installation system
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x136(123.5)x20 mm
Product code:	BO-DTHT540-1-BG
Board:	1,85 m ¹ - 5,78 kg
Pallet content:	192 pcs. - 355,2 m ¹ - ca. 1150 kg



CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO X-TREME CLADDING CLICK PROFILE

± 1.150 kg/m³
length: + 0,1 %; width: + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class B-s1, d0 (EN 13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,81 (ASTM C1371) ¹
0,32 (ASTM C1549) ¹
Low 27, Medium 30, High 33 (ASTM E1980) ¹
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm)
(characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test /
Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo X-treme.



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X-treme Cladding Rhombus



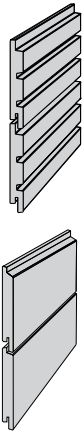
MOSO® Bamboo X-treme rhombus cladding combines aesthetic appeal with durability and design flexibility. Available in Single, Double, and Triple profiles, these boards create dynamic light and shadow effects, offering freedom in design for architects and project developers. MOSO® Bamboo X-treme rhombus profiles can be installed with MOSO® Bamboo Fasteners or in a screwed down installation. Crafted from compressed bamboo strips, the solid boards benefit from the Thermo-Density heat treatment (190-200°C) and compression process, which enhances durability, stability, and hardness. They achieve fire resistance up to class D-s1, d0 (EN 13501-1, end use) without the need for harmful fire retardants. Like any tropical hardwood, MOSO® Bamboo X-treme naturally weathers to a grey tone, for a timeless, natural look.



RHOMBUS



Bamboo X-treme Cladding board Rhombus profile	
Ends:	End match system
Installation:	With fasteners
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x137(129)x18 mm
Surface:	Triple Rhombus - Flat with 2 grooves
Product code:	BO-DTHT570G
Profile:	Double Rhombus - Flat with 1 groove
Product code:	BO-DTHT570G-2
Profile:	Single Rhombus - Flat
Product code:	BO-DTHT570G-1
Board:	1,85 m ¹ - 5,93 kg
Pallet content:	192 pcs. - 355,2 m ¹ - ca. 1140 kg



EDGE PROFILE FOR CLADDING



Bamboo X-treme Edge profile for cladding 18 mm	
Installation:	On battens, screwed
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x40x40 mm
Product code:	BO-DTHTBN500
Board:	1,85 m ¹ - 2,4 kg
Pallet content:	228 pcs. - 421,8 m ¹ - ca. 540 kg



CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO X-TREME CLADDING RHOMBUS

± 1.150 kg/m³
length: + 0,1 %; width: + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class D-s1, d0 (EN 13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,81 (ASTM C1371) ¹
0,32 (ASTM C1549) ¹
Low 27, Medium 30, High 33 (ASTM E1980) ¹
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm)
(characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test /
Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo X-treme.



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Almah Miramar Villa

MIRAMAR, PORTUGAL

MOSO® BAMBOO N-DURANCE CLADDING

CARBON STORAGE | 13.099 KG CO₂

PHOTOGRAPHER | **Retrospectiva**

ARCHITECT | **Backhome**

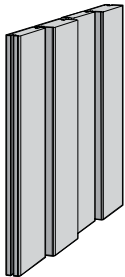
N-durance Cladding Varibo

MOSO® Bamboo N-durance Varibo has been developed to meet the demand for cladding with boards of different width and thickness. An elegant product range to enhance any façade using boards or slats in different widths and thicknesses to create a stunning 3D look over the full façade. MOSO® Bamboo N-durance cladding is a solid, Outdoor-Density board, made from compressed bamboo strips. Bamboo N-durance has a warm sand 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 to reach the highest European durability class.

VARIBO UNFINISHED



Bamboo N-durance Cladding board Varibo profile	
Ends:	End match system
Installation:	With fasteners
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x65x18 mm
Product code:	BO-DTC187G
Board:	1,85 m ¹ - 2,53 kg
Pallet content:	459 pcs. - 849,2 m ¹ - ca. 1150 kg
Dimensions:	1850x100x18 mm
Product code:	BO-DTC186G
Board:	1,85 m ¹ - 3,9 kg
Pallet content:	297 pcs. - 549,5 m ¹ - ca. 1150 kg
Dimensions:	1850x137x18 mm
Product code:	BO-DTC185G
Board:	1,85 m ¹ - 4,95 kg
Pallet content:	216 pcs. - 399,6 m ¹ - ca. 1100 kg



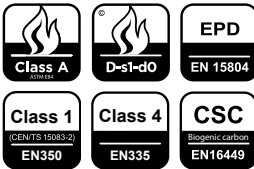
Hertz Office - Bonn, Germany
ARCHITECT Ten Brinke | PHOTOGRAPHER Michael van Houten
This photo shows an example of MOSO Bamboo X-treme instead of N-durance.

CHARACTERISTICS AND CERTIFICATIONS

- **Density:**
- **Resistance to Indentation - Brinell Hardness:**
- **Flame spread index:**
- **Reaction to fire:**
- **Thermal emittance:**
- **Solar Reflectance (SR):**
- **Solar Reflectance Index (SRI):**
- **Modulus of Elasticity:**
- **Bending strength:**
- **Shear modulus:**
- **Biological durability:**
- **Superficial preservatives and finish:**
- **Effectiveness against surface fungi:**
- **Use Class:**
- **Environmental Product Declaration:**
- **Construction Stored Carbon (CSC):**
- **FSC®:**
- **Contribution LEED BD+C - v4:**
- **Contribution BREEAM:**
- **Guarantee:**
- **Footnote:**

MOSO® BAMBOO N-DURANCE CLADDING VARIBO

± 1.200 kg/m³
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class D-s1, d0 (EN 13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,89 (ASTM C1371) ¹
0,29 (ASTM C1549) ¹
Low 29, Medium 31, High 32 (ASTM E1980) ¹
12.090 N/mm² (≤ 20 mm) (mean value - EN 408)
99,6 N/mm² (≤ 20 mm) (characteristic value - EN 408)
691 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
comply with European biocide product regulation (BPR) and are not listed on the restrictions list of REACH Annex XVII/candidate list.
Class 0, Strong fungi static (EN ISO 846), treatment only superficial.
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo N-durance.



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N-durance Cladding

Closed profile

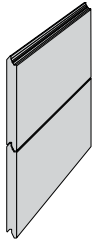
The MOSO® Bamboo closed profile cladding offers a great advantage with the fire protection up to class B-s2, d0 (EN 13501-1) for the complete system, without the need for impregnation with expensive and environmentally harmful fire retardants. MOSO® Bamboo N-durance cladding is a solid, Outdoor-Density board, made from compressed bamboo strips. A special crushing and compression technique increases the hardness and stability and provides it to reach the highest European durability class. The boards have a warm sand colour, resulting from a steam-pressure treatment on the bamboo material. When exposed to outdoor conditions, the sand colour of MOSO® Bamboo N-durance will fade naturally over time.

NEW

MOSO® Bamboo expands the range with new 'Giant Bamboo' board lengths of 3.050 mm and 3.650 mm, in addition to the existing 1.850 mm format. This introduces **greater creative freedom** for architectural applications. Make-To-Order variants are found on **page 88**.

CLOSED PROFILE UNFINISHED

MOSO® Bamboo N-durance cladding is a solid, Outdoor-Density board, made from compressed bamboo strips. Bamboo N-durance has a sand-coloured appearance, 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 in the appropriate EU norms.



NEW

Bamboo N-durance Cladding board Closed profile Unfinished	
Ends:	End match system
Installation:	With screws - hidden in Closed profile
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x65(52,5)x18 mm
Product code:	BO-DTC537
Board:	1,85 m ³ - 2,53 kg
Pallet content:	480 pcs. - 888 m ³ - ca. 1100 kg
Dimensions:	1850x100(87,5)x18 mm
Product code:	BO-DTC536
Board:	1,85 m ³ - 3,9 kg
Pallet content:	300 pcs. - 555 m ³ - ca. 1100 kg
Dimensions:	1850x137(124,5)x18 mm
Product code:	BO-DTC531
Board:	1,85 m ³ - 5,34 kg
Pallet content:	208 pcs. - 384,8 m ³ - ca. 1100 kg
Dimensions:	3050x137(124,5)x18 mm
Product code:	BO-DTC531-3050
Board:	3,05 m ³ - 8,3 kg
Pallet content:	144 pcs. - 439,2 m ³ - ca. 1200 kg



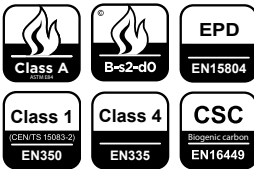
This photo shows an example of MOSO® Bamboo N-durance Cladding Varibo with IPE finish instead of N-durance Cladding Closed profile

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CHARACTERISTICS AND CERTIFICATIONS

MOSO® BAMBOO N-DURANCE CLADDING CLOSED PROFILE

- Density: ± 1.200 kg/m³
- Resistance to Indentation - Brinell Hardness: ± 9,5 kg/mm² (average value - EN 1534)
- Flame spread index: Class A (ASTM E84)
- Reaction to fire: Up to Class B-s2, d0 (EN 13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
- 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: 12.090 N/mm² (≤ 20 mm) (mean value - EN 408)
- Bending strength: 99,6 N/mm² (≤ 20 mm) (characteristic value - EN 408)
- Shear modulus: 691 N/mm² (20-40 mm) (characteristic mean value - EN 789)
- Biological durability: Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (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 +A2) (www.moso-bamboo.com/epd)
- Construction Stored Carbon (CSC): Carbon storage calculation method (EN 16449:2014)
- FSC®: Products with FSC® certification.
- 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
- Footnote: ¹ Tested on 3 years weathered MOSO® Bamboo N-durance.



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N-durance Cladding

Click profile

The click profile offers a unique solution to install MOSO® Bamboo N-durance cladding quickly and easily on aluminium rails with hidden and removable clips. The system allows an exact installation to obtain the most precise final result with an incredible design. MOSO® Bamboo N-durance click profile cladding boards are 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.



CLICK PROFILE SAVANNA



Bamboo N-durance Cladding board Click profile	
Ends:	Without end match system
Installation:	With click installation system
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Sikkens Cetol Savanna
Dimensions:	1850x45x20 mm
Product code:	BO-DTC1180-BG-02
Board:	1,85 m ¹ - 1,94 kg
Pallet content:	600 pcs. - 1110 m ¹ - ca. 1150 kg
Dimensions:	1850x64x20 mm
Product code:	BO-DTC1190-BG-02
Board:	1,85 m ¹ - 2,76 kg
Pallet content:	408 pcs. - 754,8 m ¹ - ca. 1150 kg



Bamboo N-durance Cladding board Click Closed profile	
Ends:	End match system
Installation:	With click installation system
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Sikkens Cetol Savanna
Dimensions:	1850x136(123.5)x20 mm
Product code:	BO-DTC540-1-BG-02
Board:	1,85 m ¹ - 5,78 kg
Pallet content:	192 pcs. - 355,2 m ¹ - ca. 1150 kg



This photo shows an example of MOSO® Bamboo N-durance Cladding Varibo with IPE finish

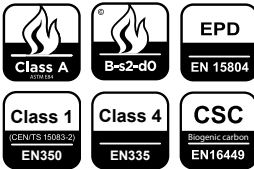
ARCHITECT Backhome | PHOTOGRAPHER Retrospectiva

CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Superficial preservatives and finish:
- Effectiveness against surface fungi:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO N-DURANCE CLADDING CLICK PROFILE

± 1.200 kg/m³
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class B-s2, d0 (EN 13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,89 (ASTM C1371) ¹
0,29 (ASTM C1549) ¹
Low 29, Medium 31, High 32 (ASTM E1980) ¹
12.090 N/mm² (≤ 20 mm) (mean value - EN 408)
99,6 N/mm² (≤ 20 mm) (characteristic value - EN 408)
691 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
comply with European biocide product regulation (BPR) and are not listed on the restrictions list of REACH Annex XVII/candidate list.
Class 0, Strong fungi static (EN ISO 846), treatment only superficial.
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo N-durance.



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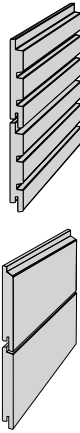
N-durance Cladding Rhombus

MOSO® Bamboo X-treme rhombus cladding combines aesthetic appeal with durability and design flexibility. Available in Single, Double and Triple profiles, these boards create dynamic light and shadow effects. Thanks to the hidden installation using fasteners and the proven stability of MOSO® Bamboo cladding, the boards provide a durable, elegant and long-lasting enhancement to any façade. MOSO® Bamboo N-durance cladding is a solid, Outdoor-Density board, made from compressed bamboo strips. A special crushing and compression technique increases the hardness and stability and provides it to reach the highest European durability class 1 (EN 350). The boards have a warm sand colour, resulting from a steam-pressure treatment on the bamboo material. When exposed to outdoor conditions, the sand colour of MOSO® Bamboo N-durance will fade naturally over time.

RHOMBUS UNFINISHED



Bamboo N-durance Cladding board Rhombus profile	
Ends:	End match system
Installation:	With fasteners
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Unfinished
Dimensions:	1850x137(129)x18 mm
Surface:	Triple Rhombus - Flat with 2 grooves
Product code:	BO-DTC570G
Profile:	Double Rhombus - Flat with 1 groove
Product code:	BO-DTC570G-2
Profile:	Single Rhombus - Flat
Product code:	BO-DTC570G-1
Board:	1,85 m ¹ - 5,93 kg
Pallet content:	192 pcs. - 355,2 m ¹ - ca. 1140 kg



This photo shows an example in MOSO Bamboo X-treme instead of N-durance.



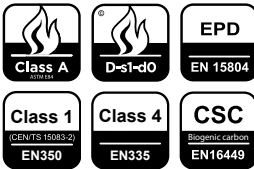
CASA 1.0 - Helmond, the Netherlands
ARCHITECT Team CASA | PHOTOGRAPHER CASA 1.0, Woonbedrijf

CHARACTERISTICS AND CERTIFICATIONS

- **Density:**
- **Resistance to Indentation - Brinell Hardness:**
- **Flame spread index:**
- **Reaction to fire:**
- **Thermal emittance:**
- **Solar Reflectance (SR):**
- **Solar Reflectance Index (SRI):**
- **Modulus of Elasticity:**
- **Bending strength:**
- **Shear modulus:**
- **Biological durability:**
- **Superficial preservatives and finish:**
- **Effectiveness against surface fungi:**
- **Use Class:**
- **Environmental Product Declaration:**
- **Construction Stored Carbon (CSC):**
- **FSC®:**
- **Contribution LEED BD+C - v4:**
- **Contribution BREEAM:**
- **Guarantee:**
- **Footnote:**

MOSO® BAMBOO N-DURANCE CLADDING RHOMBUS

± 1.200 kg/m³
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class D-s1, d0 (EN 13501-1, End use). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,89 (ASTM C1371) ¹
0,29 (ASTM C1549) ¹
Low 29, Medium 31, High 32 (ASTM E1980) ¹
12.090 N/mm² (≤ 20 mm) (mean value - EN 408)
99,6 N/mm² (≤ 20 mm) (characteristic value - EN 408)
691 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
comply with European biocide product regulation (BPR) and are not listed on the restrictions list of REACH Annex XVII/candidate list.
Class 0, Strong fungi static (EN ISO 846), treatment only superficial.
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo N-durance.



The mark of responsible forestry
FSC® C002083

Scan for technical installation guide



MOSO® BAMBOO

Outdoor Beams

This attractive, durable material is an eco-friendly alternative to unsustainably sourced hardwood, available in several widths and shapes. Explore our MOSO® Bamboo X-treme and Bamboo N-durance ranges to find the perfect beams for your project.



Oxygen

PARIS LA DÉFENSE, FRANCE

MOSO® BAMBOO X-TREME BEAMS

CARBON STORAGE | **32.901 KG CO₂**

PHOTOGRAPHER | **David Ducastel et Philéas Fotos**

ARCHITECT | **Stéphane Malka**

Each Bamboo X-treme beam at Oxygen, La Défense, Paris, remains as straight as it was on installation day, four years before these pictures were taken. Originally dark brown, the beams naturally aged to a lighter tone, for a beautiful, weathered appearance.

X-treme Beams



Manufactured using our unique heat treatment and high-pressure densification, MOSO® Bamboo X-treme beams achieve the highest durability class under relevant EU standards and offer outstanding durability and dimensional stability. Pre-profiled rounded edges and superior strength make them ideal for outdoor furniture and facades. Like tropical hardwoods, its colour will change when exposed to wind, rain, frost, and sunlight (UV). Over time, this natural weathering produces a grey patina.

NEW

MOSO® Bamboo has expanded its range by adding a **new 4.000 mm beam length** in addition to the existing 2.000 mm option. This increases design and construction flexibility, allowing for **longer spans, fewer joints, and improved visual continuity** in architectural and landscape projects. Make-To-Order variants are found on **page 88 and further**.



NEW

NEW

NEW

NEW

NEW

Bamboo X-treme Outdoor Beams	
Edges:	R = 4 mm (on all sides)
Finish:	Sikkens Cetol lpe
Dimensions:	2000x115x40 mm
Product code:	BO-DTHT2170-2-01
Board:	2 m ¹ - 9,7 kg
Pallet content:	100 pcs. - 200 m ¹ - ca. 970 kg
Dimensions:	4000x115x40 mm
Product code:	BO-DTHT2170-2-01-4000
Board:	4 m ¹ - 21,7 kg
Pallet content:	54 pcs. - 216 m ¹ - ca. 1170 kg
Dimensions:	2000x90x40 mm
Product code:	BO-DTHT2175-2-01
Board:	2 m ¹ - 8,4 kg
Pallet content:	128 pcs. - 256 m ¹ - ca. 970 kg
Dimensions:	4000x90x40 mm
Product code:	BO-DTHT2175-2-01-4000
Board:	4 m ¹ - 16,9 kg
Pallet content:	72 pcs. - 288 m ¹ - ca. 1220 kg
Dimensions:	2000x80x40 mm
Product code:	BO-DTHT2171-2-01
Board:	2 m ¹ - 6,7 kg
Pallet content:	144 pcs. - 288 m ¹ - ca. 970 kg
Dimensions:	2000x60x40 mm
Product code:	BO-DTHT2172-2-01
Board:	2 m ¹ - 5,1 kg
Pallet content:	192 pcs. - 384 m ¹ - ca. 970 kg
Dimensions:	4000x60x40 mm
Product code:	BO-DTHT2172-2-01-4000
Board:	4 m ¹ - 11,3 kg
Pallet content:	108 pcs. - 432 m ¹ - ca. 1220 kg
Dimensions:	2000x55x40 mm
Product code:	BO-DTHT2174-2-01
Board:	2 m ¹ - 4,2 kg
Pallet content:	210 pcs. - 420 m ¹ - ca. 970 kg
Dimensions:	4000x55x40 mm
Product code:	BO-DTHT2174-2-01-4000
Board:	4 m ¹ - 10,4 kg
Pallet content:	117 pcs. - 468 m ¹ - ca. 1215 kg
Dimensions:	2000x40x40 mm
Product code:	BO-DTHT2173-2-01
Board:	2 m ¹ - 3,4 kg
Pallet content:	288 pcs. - 576 m ¹ - ca. 970 kg
Dimensions:	4000x40x40 mm
Product code:	BO-DTHT2173-2-01-4000
Board:	4 m ¹ - 7,5 kg
Pallet content:	162 pcs. - 648 m ¹ - ca. 1220 kg



ARCHITECT FURNS - Street Furniture
PHOTOGRAPHER ADEZZ



ARCHITECT Stéphane Malka
PHOTOGRAPHER David Ducastel et Philéas Fotos

CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO X-TREME BEAMS

± 1.150 kg/m³
length: + 0,1 %; width: + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class B-s1, d0 (EN 13501-1, Material test). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,81 (ASTM C1371) ¹
0,32 (ASTM C1549) ¹
Low 27, Medium 30, High 33 (ASTM E1980) ¹
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm) (characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
10 years
¹ Tested on 3 years weathered MOSO® Bamboo X-treme.



The mark of responsible forestry
FSC® C002063

Scan for technical installation guide





Hospital Tauli

SABADELL, SPAIN

MOSO® BAMBOO N-DURANCE BEAMS & DECKING

PHOTOGRAPHER | **Simon Garcia**

ARCHITECT | **Pinearq | Healthcare Architecture**

PMMT Forward Thinking Architecture

N-durance Beams

These solid Outdoor-Density beams made from compressed bamboo strips feature pre-profiled rounded edges, ideal for outdoor furniture, façade cladding, and more. A specialised crushing- and compression process boosts hardness and stability, achieving the highest EU durability class. Like every species of tropical hardwood, the colour will naturally weather under UV, rain, wind, and frost. Routine cleaning and maintenance help protect the surface and can restore its rich caramel tone.

NEW

MOSO® Bamboo has expanded its range by adding a new 4.000 mm beam length in addition to the existing 2.000 mm option. This increases design and construction flexibility, allowing for **longer spans, fewer joints, and improved visual continuity** in architectural and landscape projects. Make-To-Order variants are found on **page 88 and further**.



NEW

NEW

NEW

NEW

Bamboo N-durance Outdoor Beams	
Edges:	R = 4 mm (on all sides)
Finish:	Sikkens Cetol lpe
Dimensions:	2000x115x40 mm
Product code:	BO-DTC2170-2-01
Board:	2 m ¹ - 9,7 kg
Pallet content:	100 pcs. - 200 m ¹ - ca. 970 kg
Dimensions:	4000x115x40 mm
Product code:	BO-DTC2170-2-01-4000
Board:	4 m ¹ - 22,2 kg
Pallet content:	54 pcs. - 216 m ¹ - ca. 1200 kg
Dimensions:	2000x90x40 mm
Product code:	BO-DTC2175-2-01
Board:	2 m ¹ - 8,4 kg
Pallet content:	128 pcs. - 256 m ¹ - ca. 970 kg
Dimensions:	4000x90x40 mm
Product code:	BO-DTC2175-2-01-4000
Board:	4 m ¹ - 17,4 kg
Pallet content:	72 pcs. - 288 m ¹ - ca. 1250 kg
Dimensions:	2000x80x40 mm
Product code:	BO-DTC2171-2-01
Board:	2 m ¹ - 6,7 kg
Pallet content:	144 pcs. - 288 m ¹ - ca. 970 kg
Dimensions:	2000x60x40 mm
Product code:	BO-DTC2172-2-01
Board:	2 m ¹ - 5,1 kg
Pallet content:	192 pcs. - 384 m ¹ - ca. 970 kg
Dimensions:	4000x60x40 mm
Product code:	BO-DTC2172-2-01-4000
Board:	4 m ¹ - 11,6 kg
Pallet content:	108 pcs. - 432 m ¹ - ca. 1250 kg
Dimensions:	2000x55x40 mm
Product code:	BO-DTC2174-2-01
Board:	2 m ¹ - 4,2 kg
Pallet content:	210 pcs. - 420 m ¹ - ca. 970 kg
Dimensions:	2000x40x40 mm
Product code:	BO-DTC2173-2-01
Board:	2 m ¹ - 3,4 kg
Pallet content:	288 pcs. - 576 m ¹ - ca. 970 kg
Dimensions:	4000x40x40 mm
Product code:	BO-DTC2173-2-01-4000
Board:	4 m ¹ - 7,7 kg
Pallet content:	162 pcs. - 648 m ¹ - ca. 1250 kg



ARCHITECT Furns | PHOTOGRAPHER Adezz



ARCHITECT Pinearq | Healthcare Architecture
PMMT Forward Thinking Architecture
PHOTOGRAPHER Simon Garcia

CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Superficial preservatives and finish:
- Effectiveness against surface fungi:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO N-DURANCE BEAMS

± 1.200 kg/m³

± 9,5 kg/mm² (average value - EN 1534)

Class A (ASTM E84)

Up to Class B-s1, d0 (EN 13501-1, Material test). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/

0,89 (ASTM C1371) ¹

0,29 (ASTM C1549) ¹

Low 29, Medium 31, High 32 (ASTM E1980) ¹

12.090 N/mm² (≤ 20 mm) (mean value - EN 408)

99,6 N/mm² (≤ 20 mm) (characteristic value - EN 408)

691 N/mm² (20-40 mm) (characteristic mean value - EN 789)

Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))

comply with European biocide product regulation (BPR) and are not listed on the restrictions list of REACH Annex XVII/candidate list.

Class 0, Strong fungi static (EN ISO 846), treatment only superficial.

Class 4 (EN 335)

EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)

Carbon storage calculation method (EN 16449:2014)

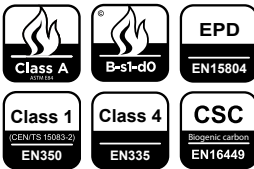
Products with FSC® certification.

MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)

MAT 1, MAT 3 (FSC®), MAT 5 (HD)

10 years

¹ Tested on 3 years weathered MOSO® Bamboo N-durance.



The mark of responsible forestry
FSC® C002063

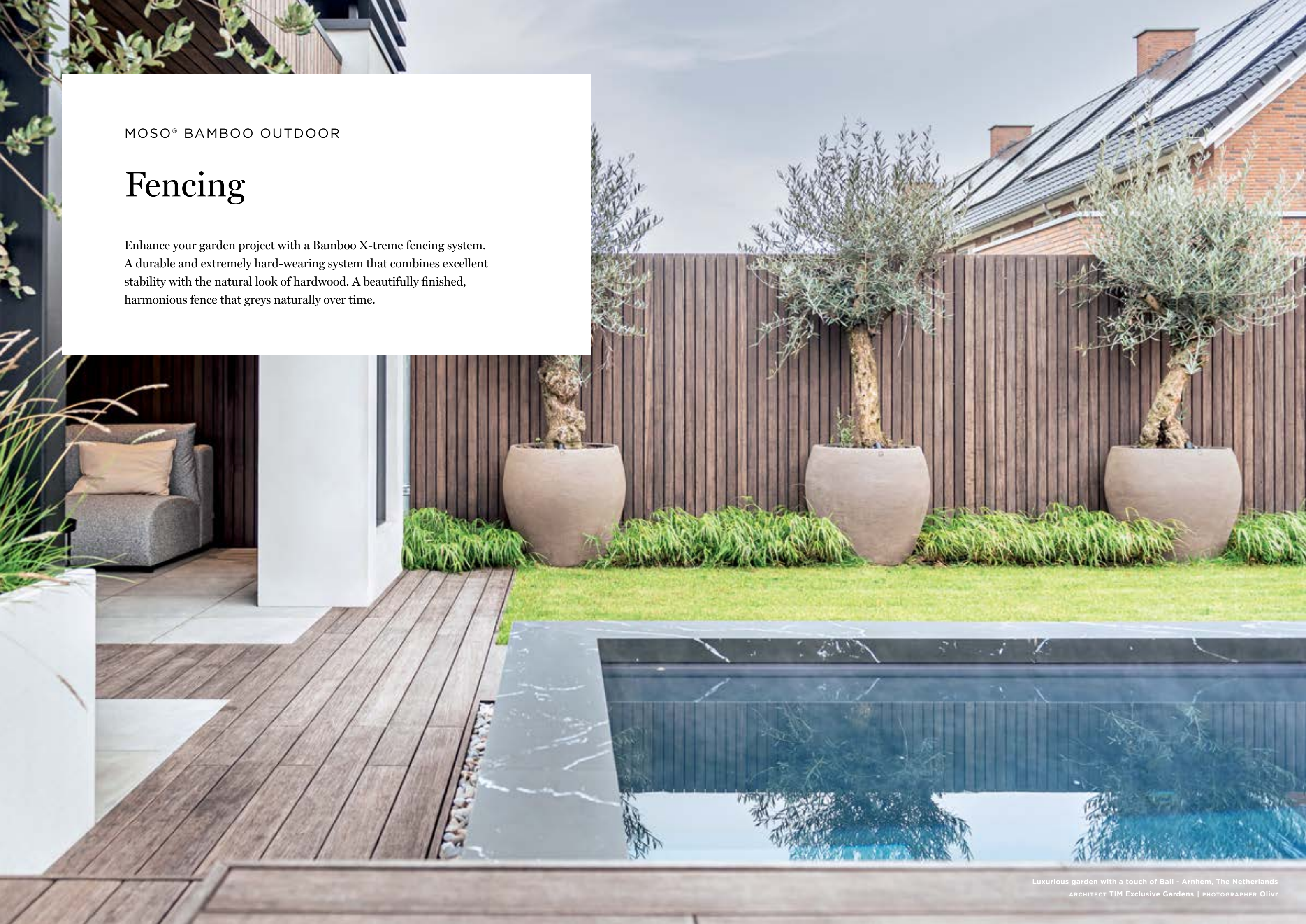
Scan for technical installation guide



MOSO® BAMBOO OUTDOOR

Fencing

Enhance your garden project with a Bamboo X-treme fencing system. A durable and extremely hard-wearing system that combines excellent stability with the natural look of hardwood. A beautifully finished, harmonious fence that greys naturally over time.



X-treme Fencing

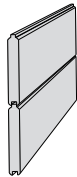
The MOSO® Bamboo X-treme fencing system is a sustainable and highly durable system that combines outstanding stability with the natural look of hardwood. The boards can be installed fast and easily, both vertically and horizontally, thanks to the U-profile system. The matching MOSO® Bamboo X-treme fence posts and top and bottom rails create a beautifully finished, cohesive fence that greys naturally over time. MOSO® Bamboo X-treme fencing boards are made from bamboo strips that have been compressed and thermally modified at 190-200°C. This unique process increases stability, density, and hardness. MOSO® Bamboo X-treme is in the highest durability class in the appropriate EU norms.



DESIGN & PHOTOGRAPHY MOSO Europe SLU



Bamboo X-treme Fencing board 137 mm	
Installation:	With screws or in U-profiles (no end match system)
Finish:	Unfinished
Edges:	Longitudinal sides with radius, end sides beveled
Dimensions:	1840x137(131)x18 mm
Product code:	BO-DTHT303TG
Board:	1,80 m ³ - 5 kg
Pallet content:	192 pcs. - 345,6 m ³ - ca. 1100 kg



NEW

Bamboo X-treme Fence top-bottom rail	
Installation:	With screws and plates or angle brackets
Edges:	Longitudinal sides with radius, end sides square edge
Finish:	Unfinished
Dimensions:	1800x50x35 mm
Product code:	BO-BLDTHT303-U-1800
Board:	1,8 m ³ - 3,7 kg
Pallet content:	308 pcs. - 554,4 m ³ - ca. 1135 kg



NEW

Bamboo X-treme Fence post	
Installation:	With post spike or anchor
Finish:	Unfinished
Dimensions:	2400x70x70mm
Edges:	Longitudinal sides with radius, end sides square edge, 1 groove
Product code:	BO-BLDTHT303-A-2400
Edges:	Longitudinal sides with radius, end sides square edge, 2 grooves
Product code:	BO-BLDTHT303-B-2400
Board:	2,4 m ³ - 13,9 kg
Pallet content:	80 pcs. - 192 m ³ - ca. 1110 kg



CHARACTERISTICS AND CERTIFICATIONS

- Density:
- Dimensional stability:
- Resistance to Indentation - Brinell Hardness:
- Flame spread index:
- Reaction to fire:
- Thermal emittance:
- Solar Reflectance (SR):
- Solar Reflectance Index (SRI):
- Modulus of Elasticity:
- Bending strength:
- Shear modulus:
- Biological durability:
- Effectiveness against Blue Stain:
- Effectiveness against European Termites:
- Durability against larvae:
- Use Class:
- Environmental Product Declaration:
- Construction Stored Carbon (CSC):
- FSC®:
- Contribution LEED BD+C - v4:
- Contribution BREEAM:
- Guarantee:
- Footnote:

MOSO® BAMBOO X-TREME FENCING

± 1.150 kg/m³
length: + 0,1 %; width: + 0,9 % (24 hours in water 20 °C)
± 9,5 kg/mm² (average value - EN 1534)
Class A (ASTM E84)
Up to Class B-s1, d0 (EN 13501-1, Material test). Find more information about test and application conditions: www.moso-bamboo.com/fire-safety/
0,81 (ASTM C1371) ¹
0,32 (ASTM C1549) ¹
Low 27, Medium 30, High 33 (ASTM E1980) ¹
17.366 N/mm² (≤ 20 mm), 15.986 N/mm² (≤ 40 mm) (mean value - EN 408)
84,4 N/mm² (≤ 20 mm), 57,3 N/mm² (≤ 40 mm) (characteristic value - EN 408)
701 N/mm² (20-40 mm) (characteristic mean value - EN 789)
Class 1 (EN 350 / CEN/TS 15083-2), simulated graveyard test / Class 1 (EN 350 / EN 113-2 (CEN/TS 15083-1))
Class 0 (EN 152)
Class M (EN 350 / EN 117 - Coptotermes gestroi)
Durable (EN 350 / EN 49-2)
Class 4 (EN 335)
EPD (EN 15804 +A2) (www.moso-bamboo.com/epd)
Carbon storage calculation method (EN 16449:2014)
Products with FSC® certification.
MR 1, MR 2, MR 3 (FSC®), SS 7 / v2009: MR 6, MR 7 (FSC®)
MAT 1, MAT 3 (FSC®), MAT 5 (HD)
25 years
¹ Tested on 3 years weathered MOSO® Bamboo X-treme.



Scan for
technical
installation
guide



MOSO® BAMBOO OUTDOOR

Make-To-Order and Custom Made

Besides the broad assortment of standard outdoor products, MOSO® Bamboo is able to develop different sizes and even unique customised bamboo solutions that meet exceptionally high demands.



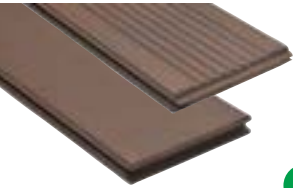
Decking | Make-To-Order

In addition to our standard stock products, MOSO® Bamboo offers customised dimensions and finishes on request. Please contact our sales representatives for more information about the possibilities and conditions.

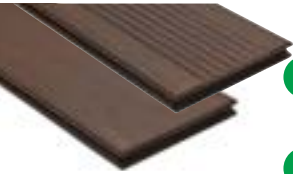
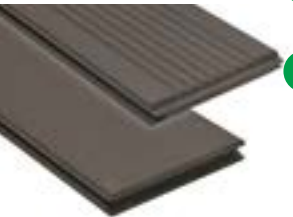
NEW

Similar to tropical hardwoods MOSO® Bamboo X-treme turns grey over time when exposed to outdoor conditions, creating a very natural look. The **new ‘Elegance’ colour** gives decking boards a pre-aged grey appearance, similar to Bamboo X-treme’s natural grey.

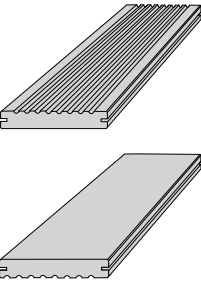
STANDARD GROOVE - FLAT | X-TREME



Bamboo X-treme Decking Groove / Flat 137 mm	
Finish:	Unfinished
Dimensions:	1850x137x20 mm
Product code:	BO-DTHT170G
Board:	0,25 m² - 1,85 m³ - 5,5 kg
Pallet content:	192 pcs. - 48,66 m² - 355,2 m³ - ca. 1100 kg
Finish:	Oiled Woca, end sides sealed
Dimensions:	2775x137x20 mm
Product code:	BO-DTHT171G-2775
Board:	0,38 m² - 2,78 m³ - 8,9 kg
Pallet content:	152 pcs. - 57,79 m² - 421,8 m³ - ca. 1350 kg
Dimensions:	3700x137x20 mm
Product code:	BO-DTHT171G-3700
Board:	0,51 m² - 3,7 m³ - 11,9 kg
Pallet content:	112 pcs. - 56,77 m² - 414,4 m³ - ca. 1330 kg
Finish:	Sikkens Cetol lpe, end sides sealed
Dimensions:	1850x137x20 mm
Product code:	BO-DTHT171G-01
Board:	0,25 m² - 1,85 m³ - 5,5 kg
Pallet content:	192 pcs. - 48,66 m² - 355,2 m³ - ca. 1100 kg
Finish:	Elegance
Dimensions:	1850x137x20 mm
Product code:	BO-DTHT171G-B-E02
Board:	0,25 m² - 1,85 m³ - 5,5 kg
Pallet content:	192 pcs. - 48,66 m² - 355,2 m³ - ca. 1100 kg



Bamboo X-treme Decking Groove / Flat 155 mm	
Finish:	Oiled Woca, end sides sealed
Dimensions:	2775x155x20 mm
Product code:	BO-DTHT191G-2775
Board:	0,43 m² - 2,78 m³ - 10,1 kg
Pallet content:	133 pcs. - 57,21 m² - 369,08 m³ - ca. 1340 kg
Dimensions:	3700x155x20 mm
Product code:	BO-DTHT191G-3700
Board:	0,57 m² - 3,7 m³ - 13,5 kg
Pallet content:	98 pcs. - 56,20 m² - 362,6 m³ - ca. 1320 kg
Dimensions:	4162,5x155x20 mm
Product code:	BO-DTHT191G-4162.5
Board:	0,65 m² - 4,16 m³ - 15,2 kg
Pallet content:	91 pcs. - 58,71 m² - 378,79 m³ - ca. 1380 kg



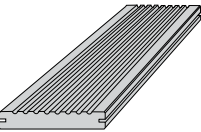
STANDARD GROOVE - FLAT | N-DURANCE



NEW

NEW

Bamboo N-durance Decking Groove / Flat 137 mm	
Finish:	Oiled Woca, end sides sealed
Dimensions:	2775x137x20 mm
Product code:	BO-DTC171G-2775
Board:	0,38 m² - 2,78 m³ - 9,1 kg
Pallet content:	152 pcs. - 57,79 m² - 421,8 m³ - ca. 1390 kg
Dimensions:	3700x137x20 mm
Product code:	BO-DTC171G-3700
Board:	0,51 m² - 3,7 m³ - 12,1 kg
Pallet content:	112 pcs. - 56,77 m² - 414,4 m³ - ca. 1360 kg



V-GROOVE - ROUGH SANDED | X-TREME

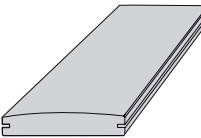
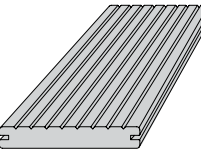


NEW

NEW

NEW

Bamboo X-treme Decking V-groove / Rough sanded 155 mm	
Finish:	Oiled Woca, end sides sealed
Dimensions:	2775x155x20 mm
Product code:	BO-DTHT191GV-R-2775
Board:	0,43 m² - 2,78 m³ - 10,3 kg
Pallet content:	133 pcs. - 57,21 m² - 369,08 m³ - ca. 1370 kg
Dimensions:	3700x155x20 mm
Product code:	BO-DTHT191GV-R-3700
Board:	0,57 m² - 3,7 m³ - 13,8 kg
Pallet content:	98 pcs. - 56,20 m² - 362,6 m³ - ca. 1350 kg
Dimensions:	4162,5x155x20 mm
Product code:	BO-DTHT191GV-R-4162.5
Board:	0,65 m² - 4,16 m³ - 15,2 kg
Pallet content:	91 pcs. - 58,71 m² - 378,8 m³ - ca. 1380 kg



CURVED - ROUGH SANDED | X-TREME



NEW

NEW

Bamboo X-treme Decking Curved rough sanded 155 mm	
Finish:	Oiled Woca, end sides sealed
Dimensions:	2775x155x20 mm
Product code:	BO-DTHT191G-C-R-2775
Board:	0,43 m² - 2,78 m³ - 10,3 kg
Pallet content:	133 pcs. - 57,21 m² - 369,08 m³ - ca. 1370 kg
Dimensions:	3700x155x20 mm
Product code:	BO-DTHT191G-C-R-3700
Board:	0,57 m² - 3,7 m³ - 13,8 kg
Pallet content:	98 pcs. - 56,20 m² - 362,6 m³ - ca. 1350 kg

CURVED - ROUGH SANDED | N-DURANCE



NEW

NEW

Bamboo N-durance Decking Curved Rough Sanded 155 mm	
Finish:	Oiled Woca, end sides sealed
Dimensions:	2775x155x20 mm
Product code:	BO-DTC191G-C-R-2775
Board:	0,43 m² - 2,78 m³ - 10,3 kg
Pallet content:	133 pcs. - 57,21 m² - 369,08 m³ - ca. 1370 kg
Dimensions:	3700x155x20 mm
Product code:	BO-DTC191G-C-R-3700
Board:	0,57 m² - 3,7 m³ - 13,8 kg
Pallet content:	98 pcs. - 56,20 m² - 362,6 m³ - ca. 1350 kg



Cladding | Make-To-Order X-treme and N-durance

In addition to our standard stock products, MOSO® Bamboo offers customised dimensions and finishes on request. Please contact our sales representatives for more information about the possibilities and conditions.

NEW

Similar to tropical hardwoods MOSO® Bamboo X-treme turns grey over time when exposed to outdoor conditions, creating a very natural look. The **new ‘Elegance’ colour** gives decking boards a pre-aged grey appearance, similar to Bamboo X-treme’s natural grey.

CHEVRON | X-TREME



Bamboo X-treme Decking Chevron	
Installation:	On joists, with fasteners
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Sikkens Cetol Ipe, end sides sealed
Dimensions:	566(703)x137x20 mm
Product code:	BO-DTHT163G-CHV-01
Board:	0,08 m² - 0,57 (0,7) m³ - 1,78 kg
Pallet content:	576 pcs. - 44,66 m² - 326 (405) m³ - ca. 1025 kg

TILES | X-TREME



Bamboo X-treme Tiles	
Installation:	On pedestals
Edges:	Bevel
Finish:	Oiled Woca, end sides sealed
Nr. of slats:	5
Dimensions:	595x595x36 (18+18) mm
Product code:	BO-DTHT-T161-5S
Board:	0,36 m² - 8,87 kg
Pallet content:	90 pcs. - 32,4 m²



CLOSED PROFILE | X-TREME



NEW

Bamboo X-treme Cladding board Closed profile	
Finish:	Unfinished
Dimensions:	3650x137(124,5)x18
Product code:	BO-DTHT530-3650
Board:	3,65 m³ - 9,7 kg
Pallet content:	135 pcs. - 492,75 m³ - ca. 1310 kg



NEW

Dimensions:	3650x155(142,5)x18
Product code:	BO-DTHT538-3650
Board:	3,65 m³ - 11,1 kg
Pallet content:	120 pcs. - 438 m³ - ca. 1320 kg



NEW

Finish:	Elegance
Dimensions:	1850x155x18
Product code:	BO-DTHT538-B-E02
Board:	1,85 m³ - 5,7 kg
Pallet content:	189 pcs. - 349,65 m³ - ca. 1080 kg

NEW

Bamboo X-treme Cladding board Closed profile with false groove	
Finish:	Unfinished
Dimensions:	3650x155(142,5)x18 mm
Product code:	BO-DTHT538-2-3650
Board:	3,65 m³ - 11,1 kg
Pallet content:	120 pcs. - 438 m³ - ca. 1320 kg
Finish:	Elegance
Dimensions:	1850x155(142,5)x18 mm
Product code:	BO-DTHT538-2-B-E02
Board:	1,85 m³ - 5,7 kg
Pallet content:	189 pcs. - 349,65 m³ - ca. 1080 kg

NEW

CLOSED PROFILE | N-DURANCE



NEW

Bamboo N-durance Cladding board Closed profile Savanna	
Ends:	End match system
Installation:	With screws - hidden in Closed profile
Edges:	Longitudinal sides with radius, end sides beveled
Finish:	Sikkens Cetol Savanna
Dimensions:	1850x65(52,5)x18 mm
Product code:	BO-DTC537-02
Board:	1,85 m³ - 2,53 kg
Pallet content:	480 pcs. - 888 m³ - ca. 1100 kg
Dimensions:	1850x100(87,5)x18 mm
Product code:	BO-DTC536-02
Board:	1,85 m³ - 3,9 kg
Pallet content:	300 pcs. - 555 m³ - ca. 1100 kg
Dimensions:	1850x137(124,5)x18 mm
Product code:	BO-DTC531-02
Board:	1,85 m³ - 5,34 kg
Pallet content:	208 pcs. - 384,8 m³ - ca. 1100 kg
Dimensions:	3050x137(124,5)x18 mm
Product code:	BO-DTC531-02-3050
Board:	3,05 m³ - 8,3 kg
Pallet content:	144 pcs. - 439,2 m³ - ca. 1200 kg
Dimensions:	3650x137(124,5)x18 mm
Product code:	BO-DTC531-02-3650
Board:	3,65 m³ - 9,9 kg
Pallet content:	135 pcs. - 492,75 m³ ca. 1340 kg

NEW

Beams | Make-To-Order X-treme and N-durance

BAMBOO OUTDOOR BEAMS | X-TREME



NEW

Bamboo X-treme Outdoor Beams	
Finish:	Sikkens Cetol Ipe
Dimensions:	4000x80x40 mm
Product code:	BO-DTHT2171-2-01-4000
Board:	4 m ¹ - 15,1 kg
Pallet content:	81 pcs. - 324 m ¹ - ca. 1220 kg

BAMBOO OUTDOOR BEAMS | N-DURANCE



NEW

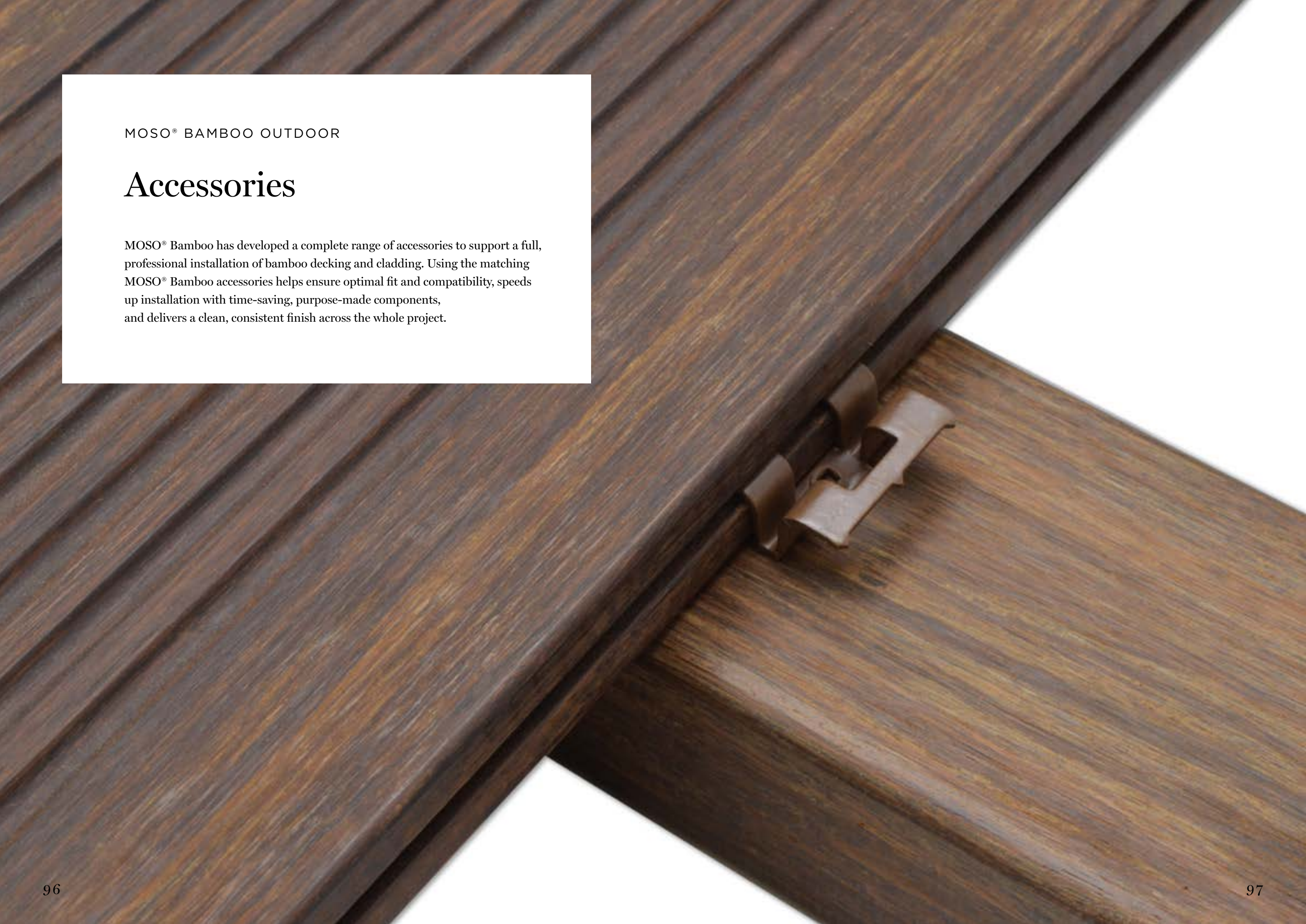
Bamboo N-durance Outdoor Beams	
Finish:	Sikkens Cetol Ipe
Dimensions:	4000x80x40 mm
Product code:	BO-DTC2171-2-01-4000
Board:	4 m ¹ - 15,4 kg
Pallet content:	81 pcs. - 324 m ¹ - ca. 1250 kg
Dimensions:	4000x55x40 mm
Product code:	BO-DTC2174-2-01-4000
Board:	4 m ¹ - 10,6 kg
Pallet content:	117 pcs. - 468 m ¹ - ca. 1245 kg

MORI PLANTER SUSTAINABLE & NATURAL

The MORI planter is a stylish eye-catcher made from bamboo. The warm-toned slats and modern shape give the planter a natural and elegant appearance. Bamboo grows rapidly and is a smart alternative to tropical hardwood.

DESIGN Adezz | PHOTOGRAPHER Adezz





MOSO® BAMBOO OUTDOOR

Accessories

MOSO® Bamboo has developed a complete range of accessories to support a full, professional installation of bamboo decking and cladding. Using the matching MOSO® Bamboo accessories helps ensure optimal fit and compatibility, speeds up installation with time-saving, purpose-made components, and delivers a clean, consistent finish across the whole project.

Accessories

MOSO® Bamboo decking and cladding can be easily installed with MOSO® Bamboo fasteners, alternatively screwed down. When installed with fasteners, there will be 5-6 mm gaps between the boards. The fasteners are supplied with matching stainless steel screws (torx bit). For installation on aluminium sub frame joists, special screws are available.

	Fasteners Asymmetric with screws
	Material: Stainless Steel A2 (AISI304)
	Colour: Brown
	Fastener dimensions: 27x22,5x10,8 mm
	Screw dimensions: 4,5x30 mm
	For boards: 20 mm
	Product code: CLIP-SCREWBX08
	Fastener dimensions: 27x22,5x9,8 mm
	Screw dimensions: 4,5x30 mm
	For boards: 18 mm
	Product code: CLIP-SCREWBX09
	Sales Unit: 90 pcs. In each box 1 screw bit (torx) is supplied.
	Fasteners Asymmetric without screws
	Material: Stainless Steel A2 (AISI304)
	Colour: Brown
	Fastener dimensions: 27x22,5x10,8 mm
	For boards: 20 mm
	Product code: CLIP-BX08
	Fastener dimensions: 27x22,5x9,8 mm
	For boards: 18 mm
	Product code: CLIP-BX09
	Sales Unit: 90 pcs.
	Fasteners Start/End with screws
	Material: Stainless Steel A2 (AISI304)
	Colour: Brown
	Fastener dimensions: 29x25x11,2 mm
	Screw dimensions: 4,5x30 mm, metal colour
	For boards: 20 mm
	Installation: Screw on top of the joist
	Product code: CLIP-SCREWBX802
	Sales Unit: 30 pcs. In each box 1 screw bit (torx) is supplied.
	Fasteners Start/End with screws
	Material: Stainless Steel A2 (AISI304)
	Colour: Brown
	Fastener dimensions: 29x25x9,2 mm
	Screw dimensions: 4,5x30 mm, metal colour
	For boards: 18 mm
	Installation: Screw on top of the joist
	Product code: CLIP-SCREWBX902
	Sales Unit: 30 pcs. In each box 1 screw bit (torx) is supplied.

Recommended quantity* Decking

137 mm ~ 20 Pcs./m²
155 mm ~ 17 Pcs./m²
178 mm ~ 14 Pcs./m²
208 mm ~13 Pcs./m²

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

Recommended quantity** Cladding

137 mm ~ 14 Pcs./m²
75 mm ~ 26 Pcs./m²

**) Based on distance of ca. 617 mm between the sub frame joist axes.



Screw for aluminium sub frame joist	
Material:	Stainless Steel A2/AISI 304
Colour:	Brown
Screw dimensions:	4,2x20 mm
Product code:	SCREW-09
Sales Unit:	90 pcs. In each bag 1 screw bit is supplied.
Material:	Stainless Steel A2/AISI 304 - Coated Brown
Screw dimensions:	4,2x25mm
Product code:	SCREW-09-L25
Sales Unit:	90 pcs.

Screw for bamboo/wood sub frame joist	
Suitable for:	Fastener Chevron on bamboo sub frame joist
Material:	Stainless Steel A2/AISI 304
Colour:	Coated Brown
Screw dimensions:	4,5x30mm
Product code:	SCREW-08
Sales Unit:	90 pcs.

SPAX Screw for cladding boards	
Suitable for:	Closed Profile cladding
Material:	Stainless Steel A2/AISI 304
Colour:	Metal colour
Screw dimensions:	3,5x30mm
Product code:	SCREW-BX14
Sales Unit:	200 pcs.

Fastener Chevron on bamboo sub frame joist	
Product code:	CLIP-BX-CHV03-02
Sales Unit:	90 pcs.
Fastener End REIF Chevron	
Product code:	CLIP-BX-CHV301-02
Sales Unit:	90 pcs.
For more Chevron productinformation, see page: 27	

Standard spacer 462.5mm	
Product code:	SPACER01-462.5
Sales Unit:	10 pcs.
Chevron spacer 400 mm	
Product code:	SPACER01-400
Sales Unit:	10 pcs.
Chevron spacer starter/end profile 350 mm	
Product code:	SPACER01-350
Sales Unit:	10 pcs.



Scan for
technical
installation
guide

Cleaning & Maintenance

MOSO® Bamboo cladding and X-treme decking can be allowed to age naturally, developing an attractive patina that suits many outdoor settings and highlights its character over time. If you prefer to maintain its original warm tone, plan for regular care to slow colour change and keep the surface looking fresh and even. Whichever look you choose, good upkeep and applying recommended treatments helps to prevent moss and blemishes.



X-treme & N-durance decking

Under the influence of wind, rain, sun and snow MOSO® Bamboo X-treme and MOSO® Bamboo N-durance will weather. The Silicon Carbide broom and machine disk are perfectly suited to clean and smooth the decking surface and to remove fibers due to the capability to sand the surface in addition to cleaning it. An exterior wood cleaner, like Woca Cleaner, removes dirt without damaging the surface, which is necessary before a maintenance treatment. MOSO® Bamboo recommends Woca Oil or Sikksens Cetol WF 771 for maintenance of MOSO® Bamboo decking and beams. For Bamboo N-durance decking, yearly maintenance with Woca Exterior Wood Oil is required to maintain the anti-surface fungi resistance.

	Silicon Carbide Disk	16"	12"
	Product code:	DISK-02	DISK-03
	Sales Unit:	Per piece	Per piece
	Silicon Carbide Broom incl. broomstick		
	Product code:	BROOM-02	
	Sales Unit:	1 piece	
	Woca Exterior Wood Cleaner		
	Product code:	CLEANER-WOCA-01	
	Sales Unit:	2,5 Liter	
	Sealer		
	Consumption:	Circa 850 ends (137 mm) per 250 ml	
	Product code:	SEALER-05	
	Sales Unit:	250 ml	
	Primer for N-durance		
	Product code:	PRIMER-WOCA-01	PRIMER-SIKKENS-01
	Sales Unit:	2500 ml	2500 ml
	Sikkens Cetol		
	Colour:	Ipe	
	Consumption:	Circa 80 - 120 ml per m²	
	Product code:	SATURATOR-SIK02	
	Sales Unit:	2,5 Liter	
	Product code:	SATURATOR-SIK01	
	Sikkens Cetol		
	Colour:	Savanna	
	Consumption:	Circa 80 - 120 ml per m²	
	Product code:	SATURATOR-SIK04	
	Sales Unit:	2,5 Liter	
	Product code:	SATURATOR-SIK03	
	Woca Exterior Wood Oil		
	Colour:	Teak	
	Consumption:	circa 15 m² per liter	
	Product code:	OIL-WOCA-011	
	Sales Unit:	2,5 Liter	
	Woca Oil Applicator		
	Content:	Applicator, Broomstick, Padholder + Pad	
	Product code:	APPLICATOR-WOCA	
	Content:	Pad	
	Product code:	WOCA-REFILLPAD	
	Sales Unit:	1 set / piece	



X-treme & N-durance Decking

Woca

MAINTENANCE

The surface of decking becomes weathered under the influence of wind, rain, frost and sunshine (UV). As a result, the surface turns grey, dirty and cracks/fibers will appear. WoodCare Denmark (Woca) has developed different outdoor cleaning- and maintenance products. Woca Exterior Wood Cleaner loosens dirt and removes green growth from the surface, without damaging it. Woca Exterior Wood Oil protects the bamboo decking and brings back the original colour. Clean and maintain the decking at least once per year with Woca Exterior Wood Cleaner and silicon carbide broom or -disk. Depending on climate and use it may be necessary to perform cleaning and maintenance more than once per year.

MAINTENANCE OF FLAT SURFACE

Please be aware of the fact that on the flat surface, irregularities in the surface (e.g. cracks, fibers) are more visible than on the grooved surface. With regular maintenance with Woca Exterior Wood Oil, this will be reduced.

CLEANING

- Soak the MOSO® Bamboo boards with plenty of water. If possible use a garden hose. Do not use high-pressure cleaners.
- Mix Woca Exterior Wood Cleaner with water in the ratio 1:2 and apply it. If the decking is extremely dirty, exterior cleaner may be used undiluted. Clean the decking with a silicon carbide broom or machine disk (see accessories).
- Scrub the soaked material lengthwise following the bamboo grain until the material appears clean. If the decking has been installed flat side up, first scrub under an angle of 45 degrees before scrubbing in the length direction. When using a machine disk this is not necessary.
- Repeat the cleaning if necessary. In case deeper stains remain after cleaning on the surface of the material, MOSO® Bamboo recommends sanding (100 grit, in length grain direction).

- Clean the surface by rinsing thoroughly with clean water ensure that the surface is clean before oiling.
- Leave the MOSO® Bamboo decking to dry for approx. 24 hours. The material must be completely dry before oil treatment can be done.
- If the surface was sanded, it must first be prepared with a water-based Woca primer before applying the finish.

APPLICATION OF OIL

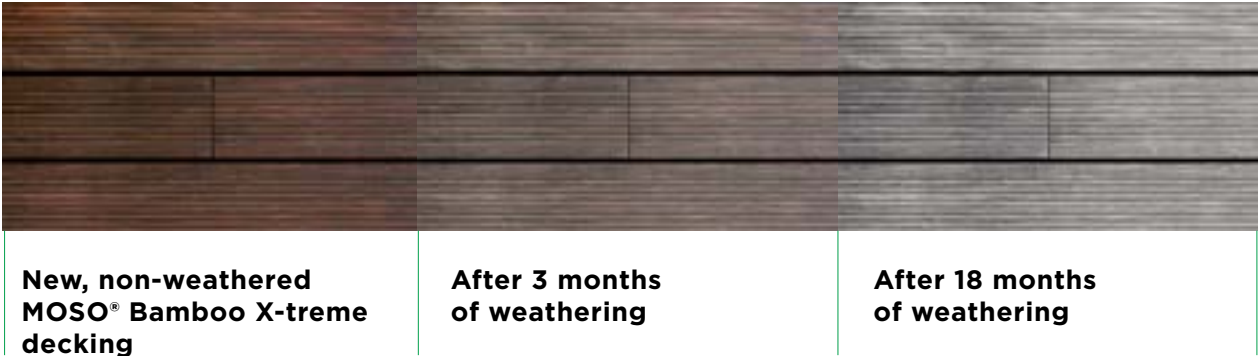
- Always make sure the decking is clean, dry, free of dust or dirt, and without any coating. Never work on a deck in direct sun.
- Apply in dry weather only. Avoid direct sunlight and high temperatures.
- For sanded or previously unfinished boards, to prepare the surface for oiling, apply a layer of Woca Exterior Wood Primer. Make sure it is fully dried before applying oil in the next step.
- Stir the oil thoroughly before use. Apply an even thin coat of oil with a brush.
- The oil is cream-coloured when it is wet.
- After a few minutes, the material has an oily appearance as the water is evaporating.
- Wipe off any excess oil with clean cotton cloths after no more than 5-10 minutes.
- Take particular care to remove excess oil from joints and grooves.
- Repeat the oiling process.
- Pay attention to the ends of the joists and cut ends of the boards, which tend to absorb more water, and finish well to prevent water penetration. A sealer is available from MOSO® Bamboo.

THEORETICAL CONSUMPTION

- Mix Woca Exterior Wood Cleaner with water in the ratio 1:2 and apply it. If the decking is extremely dirty, exterior cleaner may be used undiluted.
- Woca Exterior Wood Primer: 8 - 10 m² / litre.
- Woca Exterior Wood Oil: 12 - 15 m² / litre.

RISK OF SELF-IGNITION

Due to the risk of self-ignition it is important that oil-wetted cloths are soaked in water and are disposed in a tightly closed container after use. For more details, check the instructions of the finish supplier.



Products for cleaning & maintenance available online

SEALER-05
Sealer for ends of boards 250 ml



CLEANER-WOCA-01
Woca Exterior Wood Cleaner 2.5 ltr



OIL-WOCA-011
Woca Exterior Wood Oil Teak 2.5 ltr



PRIMER-WOCA-01
Woca Exterior Wood Primer 2.5 Ltr



DISK-02
16" Silicon carbide disk



BROOM-02
Silicon carbide broom



WOCA-APPLICATOR
Woca Applicator set for oil



WOCA-REFILLPAD
Applicator, broomstick, padholder + Pad



Scan for **cleaning & maintenance procedure**





X-treme & N-durance Decking

Sikkens

MAINTENANCE

The surface of decking becomes weathered under the influence of wind, rain, frost and sunshine (UV). As a result, the surface turns grey, dirty and cracks/fibers will appear.

The maintenance and cleaning of MOSO® Bamboo X-treme and N-durance® decking is similar to other tropical wood. Use an exterior wood cleaner to remove dirt from the surface, MOSO® Bamboo recommends Woca Exterior Wood Cleaner. Sikkens Cetol WF 771 is a water based finish recommended for optimal protection and bringing back the original colour.

MAINTENANCE OF FLAT SURFACE

Please be aware of the fact that on the flat surface, irregularities in the surface (e.g. cracks, fibers) may be more visible than on the grooved surface. If regular maintenance with Sikkens Cetol WF 771 is performed, this will be reduced.

CLEANING

X-treme & N-durance:

- Soak the MOSO® Bamboo boards with plenty of water and leave it for 10 min. If possible use a garden hose. Do not use high-pressure cleaners.
- Mix Woca Exterior Wood Cleaner with water in the ratio 1:2 and apply it. If the decking is extremely dirty, Woca Exterior Wood Cleaner may be used undiluted. If another cleaning product is used, the usage may be different. Check the instructions of the product.
- Clean the decking with a silicon carbide broom or machine disk (see accessories). Scrub the soaked material lengthwise following the bamboo grain until the material appears clean. If the decking has been installed flat side up, first scrub at an angle of 45 degrees before scrubbing in the length direction. When using a machine disk this is not necessary.

- Repeat the cleaning if necessary. In case deeper stains remain or if there are areas where Sikkens Cetol finish remains on the surface of the material, we recommend sanding (100 grit, in length grain direction). If the area to be sanded is too large, use a polishing machine with a silicon carbide disk or a 100 grit sanding paper disk.
- Clean the surface by rinsing thoroughly with clean water to ensure the surface is clean before oiling.
- Leave the MOSO® Bamboo decking to dry for approx. 24 hours. The material must be completely dry before you can apply the water-based finish Sikkens Cetol WF 771.
- If the surface was sanded, it must first be prepared with a water-based Sikkens primer before applying the finish.

APPLICATION OF FINISH

- Always make sure the decking is clean, dry, free of dust or dirt, and without any coating.
- Apply in dry weather only. Avoid direct sunlight and high temperatures.
- For sanded or previously unfinished boards, to prepare the surface for the finish, apply a layer of Sikkens Cetol WP 567 BPD. Make sure it is fully dried before applying the finish in the next step.
- Stir the Sikkens Cetol before and during the application to avoid colour variation.
- Apply a thin layer of finish with a pad, a brush, or with an air gun (35 to 65 bar) on the working surface (decking with non slip grit only with a brush).
- Important: remove any excess product before it dries, to avoid any dripping or glossy areas. The finish must penetrate the material and not remain on the surface, so that it dries leaving a matt look.
- Pay attention to the ends of the joists and cut ends of the boards, which tend to absorb more water, and finish well to minimise water ingress.

THEORETICAL CONSUMPTION

- Mix Woca Exterior Wood Cleaner with water in the ratio 1:2 and apply it. If the decking is extremely dirty, exterior cleaner may be used undiluted.
- Sikkens Cetol WP 567 BPD: 6 - 8 m² / litre
- Sikkens Cetol WF 771 lpe - for the first treatment: 10 - 12 m² / litre (for 1 coat of finish).
- Sikkens Cetol WF 771 - for periodic maintenance: 14 - 15 m² / litre (for 1 coat of finish).

RISK OF SELF-IGNITION

Due to the risk of self-ignition it is important that oil-wetted cloths are soaked in water and are disposed in a tightly closed container after use. For more details, check the instructions of the finish supplier.



Products for cleaning & maintenance available online

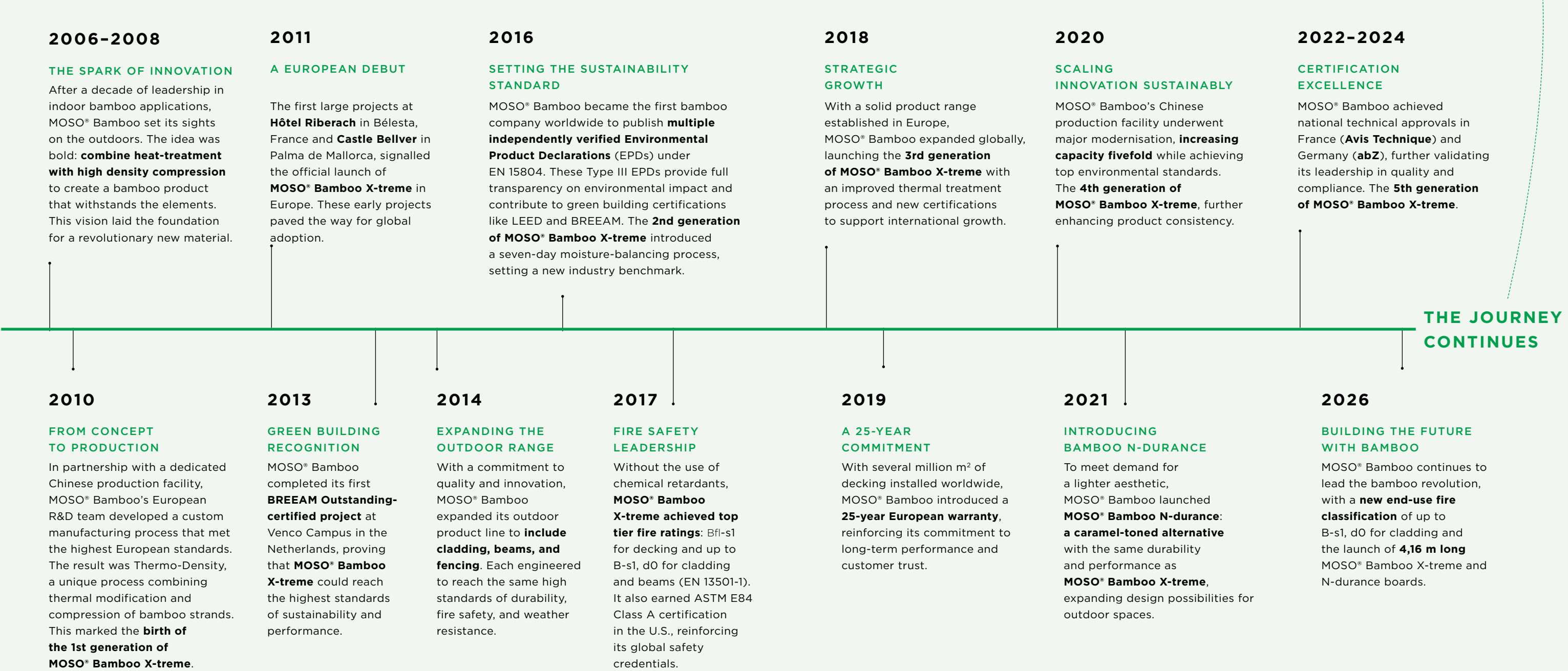
SEALER-05 Sealer for ends of boards 250 ml	CLEANER-WOCA-01 Woca Exterior Wood Cleaner 2.5 ltr	SATURATOR-SIK01/ SIK02 Sikkens Cetol WF 771 lpe colour 10 ltr/ 2.5 ltr	SATURATOR-SIK04 Sikkens Cetol WF 771 Savanna colour 2.5 ltr	PRIMER-SIKKENS-01 Sikkens Cetol WP 567 BPD 2,5 ltr
DISK-02 16" Silicon carbide disk	BROOM-02 Silicon carbide broom			

Scan for **cleaning & maintenance procedure**

Pioneering the future

With 30 years of expertise, MOSO® Bamboo has consistently led the way in bamboo innovation. What began as a vision to create a durable, sustainable, and high-performance material for outdoor use has evolved into a global benchmark for excellence. MOSO® Bamboo X-treme is the result of relentless innovation, rigorous testing, and a deep respect for nature’s most versatile resource.

FROM THE FIRST IDEA TO THE FIFTH GENERATION, MOSO® BAMBOO X-TREME AND MOSO® BAMBOO N-DURANCE ARE MORE THAN PRODUCTS. THEY REPRESENT A LEGACY OF INNOVATION, PERFORMANCE AND ENVIRONMENTAL RESPONSIBILITY. THIS IS NOT JUST BAMBOO. THIS IS THE REAL MOSO® BAMBOO.





Sustainability

MOSO® Bamboo products offer clear sustainability advantages. The inclusion of MOSO® Bamboo products contributes to a higher LEED, BREEAM, Green Star, HQE and DGNB certification score for green building projects. That's one of the reasons MOSO® Bamboo products can be found in many sustainable reference projects all over the world. Furthermore, all standard, solid MOSO® Bamboo products are FSC® certified.



breeam



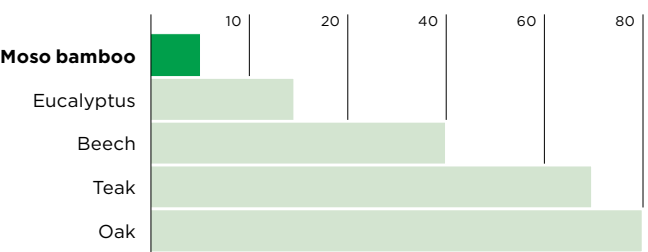
HQE®



UNSURPASSED GROWING SPEED

Bamboo: the fastest growing plant in the world. Because of the fast growth, Moso bamboo is managed as an agricultural crop: the annual harvest of the 4-5 year old stems - compared to 60-80 years for tropical hardwood! - provides a steady annual income to farmers and stimulates the bamboo plant to reproduce even faster. Therefore, by default no deforestation occurs with production of MOSO® Bamboo products, while large amounts of carbon are captured in the bamboo forests and products (www.inbar.int/understanding-bamboos-climate-change-potential).

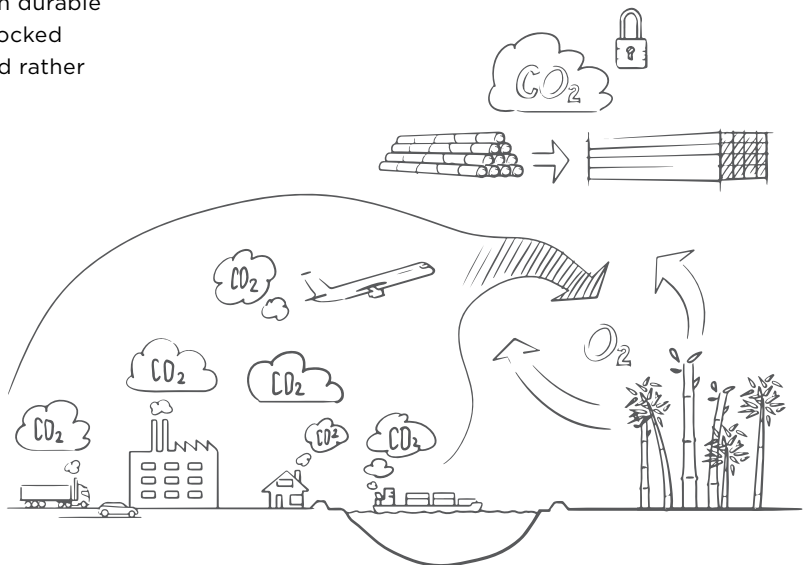
HARVESTING AGE (YEARS)



CONSTRUCTION STORED CARBON

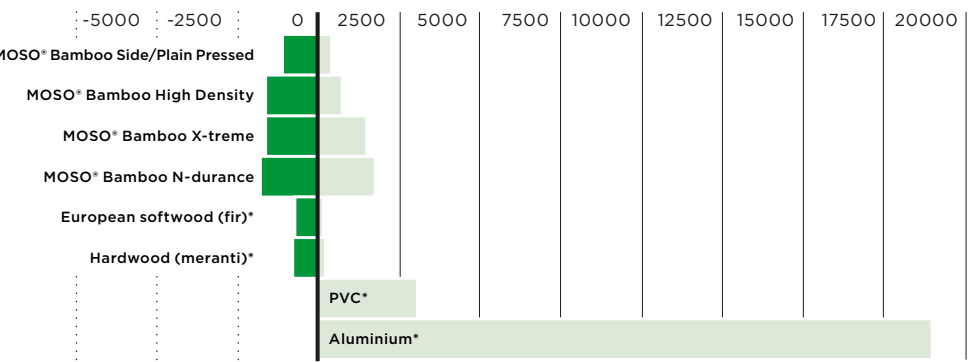
Bio-based materials act as CO₂ sinks. Through photosynthesis, plants absorb carbon dioxide (CO₂) from the atmosphere and convert it into glucose and other organic compounds, effectively storing carbon in plant biomass. The captured CO₂ is stored in the material for the lifetime of the product, and even longer if the product is recycled into new, durable products. Due to the fast growth - and related high yields - Moso bamboo locks far more CO₂ in durable products compared to wood species. The locked amount of CO₂ equivalent can be calculated rather

simply by looking at the density of the material and taking into account the biobased content. For example, MOSO® Bamboo High Density Products lock just over 1.660 kg CO₂ per m³ of bamboo, which is the equivalent of the CO₂ emissions of 14.000 km driven by a mid-range car. As long as the MOSO® Bamboo Products are in use, they can act as a temporary carbon store (Construction Stored Carbon).



The CO₂ emissions, bamboo absorption & carbon storage

CO₂ STORAGE VS. CO₂ EMISSIONS DURING PRODUCTION AND TRANSPORT



in kg CO₂ eq/m³ material
*Data abiotic materials from Idemat database TU Delft (industry averages).

Building the future with bamboo

About MOSO® Bamboo

Endless possibilities with MOSO® Bamboo Products:

MOSO® Bamboo develops and creates bamboo products for indoor and outdoor applications that meet the highest technical requirements and quality standards, enhance the beauty of applications and are made from the sustainable, renewable resource: Moso bamboo.

With over 25 years' experience in the relatively young bamboo industry, MOSO® Bamboo is recognised as the global A-brand in bamboo because of its focus on product quality, innovation and sustainability. With an international team and partners in more than 60 countries, MOSO® Bamboo is continuously looking for new applications and solutions that can be made with the fastest growing plant of the world. MOSO® Bamboo offers a broad assortment of bamboo products in various sizes, thicknesses, colours and textures. These products are used in various applications worldwide ranging from different types of flooring, stairs, outdoor decking, cladding, fencing, outdoor furniture, shutters and outdoor beams.

Furthermore, because of its expertise, MOSO® Bamboo is able to develop unique, customised bamboo solutions for industrial clients, meeting exceptionally stringent requirements. Through its experience, innovative attitude and world-wide network, MOSO® Bamboo is recognised as the global A-brand in bamboo products with European quality, warranty, certifications & service. The proof is the impressive list of references and clients such as Madrid Airport, Kempegowda International Airport, AkzoNobel, Texaco, Guggenheim Museum, SNCF Railway Station Gare du Nord, Iberostar, Rabobank, United Nations (FAO), and CitizenM Hotels.

More about
MOSO® Bamboo





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