

# product catalogue





**the fast  
growing  
hardwood  
alternative**



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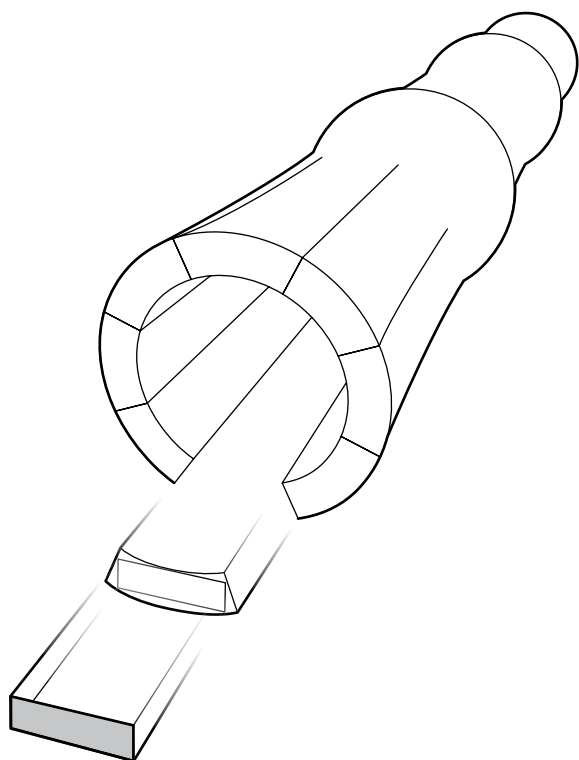
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## stem to strip

After harvesting the mature bamboo stems are split in longitudinal direction and the louter skin is removed. The strips naturally have a light yellow colour (natural), but can be steamed for a light brown colour (caramel) or thermally treated for a dark brown colour (chocolate).



## strip to product

After treating and drying, the strips are ready to be connected in several ways to make the final product.



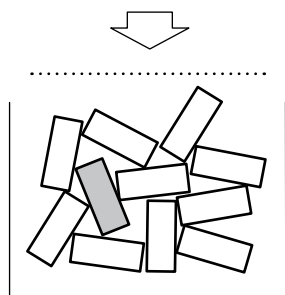
### plain pressed (PP)

Strips are placed horizontally and glued together to create a wide line pattern with the characteristic bamboo nodes clearly visible.



### side pressed (SP)

Strips are placed vertically and glued together to create a narrow line pattern with the bamboo nodes visible in a subtle way.

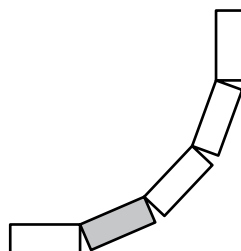


### extra hard

In the catalogue the high density variation is indicated by a hammer.

### high density (HD)

Strips are compressed and glued under high pressure, creating an elegant random line pattern. The result is a floor that is even harder than the best tropical hardwood species.



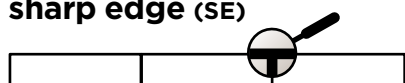
### flexible (F)

There are 2 different styles: solid strip (maximum width 17mm) and veneered strip (standard width 50mm).

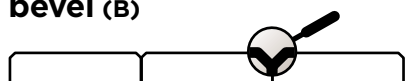
## edges and finishes

MOSO floor boards are available with various kinds of edges that each provide a different look: sharp edge for a closed, flat surface, bevel for a clearly visible V-groove and micro bevel for a subtly visible V-groove.

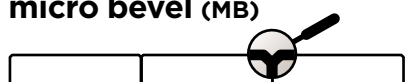
### sharp edge (SE)



### bevel (B)



### micro bevel (MB)



To protect your MOSO floor, most come pre-oiled or pre-lacquered according to the highest European quality standard and with the best finishing products available:

### Lacquered with Bona (L)

**Bona®**

### Pre-oiled with Woca (O)



## symbols



### CE marking

Through CE marking the European Union demands various product categories to comply with highest quality requirements with respect to safety, health, environment and protection of consumers. MOSO already acquired the CE marking for all of its flooring products years ago.



### fire classification

According to EN13501-1 the fire safety of flooring products can be classified ranging from A<sub>fl</sub> (non combustible) to F<sub>fl</sub> (highly combustible). In order to comply with CE marking all MOSO floors were tested on fire safety providing a satisfactory result ranging from B<sub>fl</sub> to D<sub>fl</sub>.



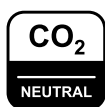
### floor heating

Under specific circumstances several MOSO floors may be very well installed on floor heating systems. For details, please refer to the "floor heating" section in this catalogue.



### Uniclic®

For quick and easy installation without the use of glue, several MOSO bamboo floors come with the Uniclic® system.



### carbon footprint

MOSO has commissioned Delft University of Technology to execute an official LCA and carbon footprint study. The report, available on request, concludes that all assessed MOSO products (all solid bamboo flooring, decking, panels and veneer) are CO<sub>2</sub> neutral or better over the full life cycle.



### indoor emissions

For a healthy indoor climate it is important that products used indoors have very low emissions and comply with the official European E1 norm (EN 717-1). All MOSO products meet this standard, while several MOSO products even comply with E0, the strictest (unofficial) emission class available, commonly used to indicate that the product has a very low or no detectable emission (formaldehyde emissions <0,025 mg/m<sup>3</sup>) and/or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 class. Furthermore, all MOSO bamboo floors have been rated A and A+ in France with respect to emissions of volatile organic compounds: the best classification possible!



### FSC® certification

Globally recognized as the best and most stringent responsible certification system in the wood industry, FSC® certification was recently also developed for bamboo. As pioneer in the bamboo industry, MOSO is able to provide bamboo products with FSC® certification (FSC C002063).



breeam

### LEED & BREEAM

The application of MOSO bamboo products can contribute to various credits for LEED and BREEAM, the most important green building certification programs available worldwide. Contact us at [sustainability@moso.eu](mailto:sustainability@moso.eu) for more detailed information.

# bamboo flooring

## dynamic collection

The Dynamic Collection provides an **economical** choice for customers that want a floor which is **easy to install**. Even though these are not the most expensive floors in the MOSO range, it does not mean they are of a lesser quality or offer less choice. In fact, the Dynamic Collection offers the **widest range** of possibilities in colour, size and style, fitting the latest trends.

pure**bamboo**

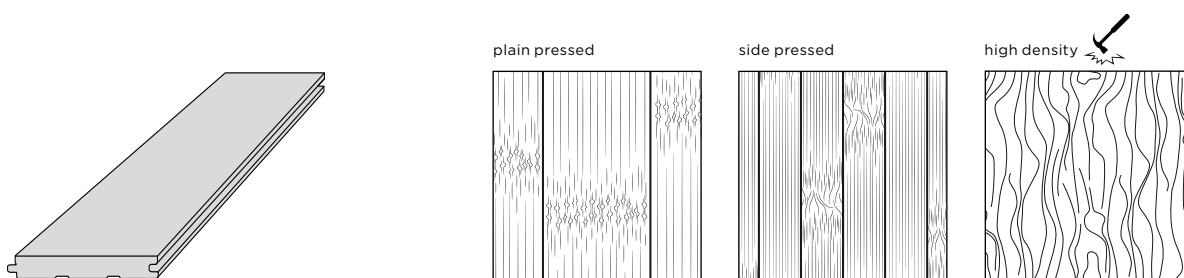
top**bamboo**

uni**bamboo**

flex**bamboo**

# purebamboo (solid strip)

MOSO Purebamboo is entirely made of solid bamboo, either with strips pressed together horizontally (plain pressed), vertically (side pressed) or compressed (high density). This floor type is a good solution when an economical but high performance bamboo floor is required. Purebamboo (in plain pressed version) was the first bamboo floor ever – all other bamboo floors have been derived from this classic version.



**PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High Density, **L:** Lacquered Bona 80 gr/m<sup>2</sup> (SP/PP), Lacquered Treffert 80 gr/m<sup>2</sup> (HD), **SE:** Sharp Edge, **MB:** Micro Bevel  
\*) Also available with top layer 6mm.

Natural	Caramel	Style	Finish	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m <sup>2</sup> )
BF-LA510	BF-LA560	SP	-	SE	960x96x15*	24	2,212
BF-LA710	BF-LA760	PP	-	SE	960x96x15	24	2,212
BF-LA610	BF-LA660	SP	L	MB	960x96x15*	24	2,212
BF-LA810	BF-LA860	PP	L	MB	960x96x15	24	2,212
BF-DS110	BF-DS160	HD	L	MB	915x96x12	24	2,108

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be fully glued (for glue details see full version of installation instruction) and can also be installed floating (max width 5m, max length 12m, using expansion gaps).
- Elastic adhesive systems like 1-component Polyurethane or silan type of adhesives only can be used, when:
  - Shear strength Ts > 1.4 N/mm<sup>2</sup>  
(3 days balanced at 23 degrees Celsius/50% Air Humidity)
  - Shear elongation y >= 0.5  
(3 days balanced at 23 degrees Celsius/50% Air Humidity)
 Please ask your glue supplier for more information.
- This floor type can be installed – under certain conditions – on warm water floor heating. See “MOSO flooring and floor heating”.
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.

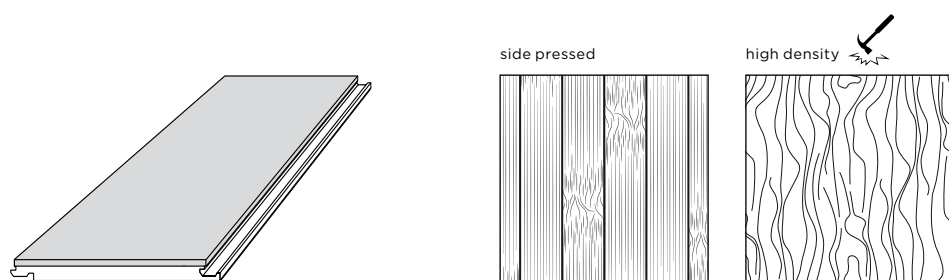
## technical characteristics

- Density (Product): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: 5mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP)  
8% at 20°C and 50% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP/PP),  
≥ 9,5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Reaction to fire: Class Cfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 (< 0,025 mg/m<sup>3</sup>) <sup>2)</sup> Class E1 (< 0,124 mg/m<sup>3</sup>, EN 717-1)
- Thermal conductivity: 0,17 W/mK (SP/PP), 0,26 W/mK (HD) (EN 12667)
- Thermal resistance: 0,0882 m<sup>2</sup>K/W (SP/PP), 0,0471 m<sup>2</sup>K/W (HD) (EN 12667)
- Use Class: Class 1 (EN 335)
- Critical radiant flux: Class 1 (ASTM E 648)
- Contribution LEED BD+C - v4: MR1, MR2, EQ2 / v2009: MR 6, IEQ 4.3
- Contribution BREEAM: HEA 2, MAT 1, MAT 5 (HD)

<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according to EN 717-1.

# topbamboo (engineered board with clicksystem)

MOSO Topbamboo consists of a top layer of bamboo combined with a HDF (High Density Fibre board) as the core and a softwood backing. Because of this construction, the product is very stable, while the Uniclic® system, makes it very easy to install (no glue needed). Topbamboo is available in a large variation of fashionable colours and finishes, including brushed and stained versions.



**SP:** Side Pressed, **HD:** High Density, **L:** Lacquered Treffert 80 gr/m<sup>2</sup>, **BL:** Brushed Lacquered 80 gr/m<sup>2</sup>, **BSL:** Brushed Stained-Lacquered Treffert 80 gr/m<sup>2</sup>, **MB:** Micro Bevel  
\*) Due to the characteristics of the high density bamboo, the 'depth' of the brushing will be different from one board to another. This creates a very natural effect.

Natural	Caramel	Style	Finish	Colour	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m <sup>2</sup> )
	BF-SW1151-L01	SP	L	Transparent	MB	960x128x10	12	1,475
	BF-SW1151B-L01	SP	L	Transparent	MB	960x128x10	12	1,475
	BF-SW1151B-L02	SP	BSL	White	MB	960x128x10	12	1,475
	BF-SW1151B-L05	SP	BSL	Grey-Taupe	MB	960x128x10	12	1,475
	BF-SW1151B-L06	SP	BSL	Colonial	MB	960x128x10	12	1,475
BF-SW1210-L01	BF-SW1260-L01	HD	L	Transparent	MB	920x125x10	12	1,380
	BF-SW1260B-L01	HD	BL*	Transparent	MB	920x125x10	12	1,380
	BF-SW1260B-L02	HD	BSL*	White	MB	920x125x10	12	1,380

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be installed floating (max width 7m, max length 12m, using expansion gaps) but can also be fully glued to the subfloor (for glue details see full version of installation instruction).
- This floor type can be installed – under certain conditions – on warm water floor heating. See "MOSO flooring and floor heating".
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.

## technical characteristics

- Density (Toplayer): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: 2,5mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP)
- 8% at 20°C and 50% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP/PP), ≥ 9,5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Resistance to Impact (Elasticity): > 1000 (EC1) (SP/PP), > 1400 (EC3) (HD) (EN 438-2)
- Resistance to Abrasion <sup>1)</sup>: ≥ 1500 Revolutions (WRO) (EN 13696)
- Reaction to fire: Class Cfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 (< 0,025 mg/m<sup>3</sup>) <sup>2)</sup> Class E1 (< 0,124 mg/m<sup>3</sup>, EN 717-1)
- Slip resistance <sup>1)</sup>: USRV 31 (Smooth) / USRV 28 (Brushed) (CEN/TS 15676)
- R 10 (Smooth) / R 11 (Brushed) (DIN 51130)
- Thermal conductivity: 0,17 W/mK (SP/PP), 0,18 W/mK (HD) (EN 12667)
- Thermal resistance: 0,0591 m<sup>2</sup>K/W (SP/PP), 0,0542 m<sup>2</sup>K/W (HD) (EN 12667)
- Use Class: Class 1 (EN 335)
- Contribution LEED BD+C - v4: EQ2 / v2009: MR 6, IEQ 4.3
- Contribution BREEAM: HEA 2, MAT 1, MAT 5 (HD)

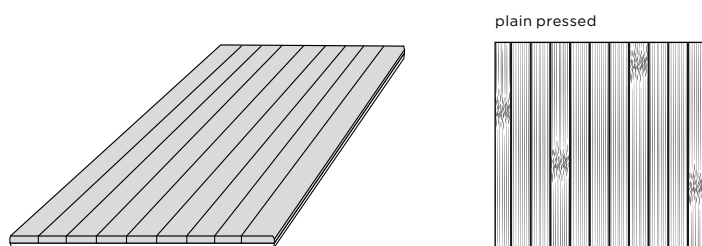
<sup>1)</sup> Only for lacquered versions.

<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according EN 717-1.



# unibamboo (latex backed floor board or tile)

Unibamboo combines the virtues of carpet with the charm of bamboo. In this innovative product, thin bamboo strips are pressed on a latex backing, providing a flexible, light, sound absorbing, economical flooring solution which is available in tiles or boards in a broad assortment of colours and sizes. Because of its limited thickness it is perfect for installation on top of existing floors, therefore ideal for renovation projects.



**PP:** Plain Pressed, **L:** Lacquered Bona Naturale 110 gr/m<sup>2</sup>, **SL:** Stained-Lacquered Bona Naturale 110 gr/m<sup>2</sup>, **MB2:** Micro Bevel on 2 sides (length), **MB4:** Micro Bevel on 4 sides

Natural	Caramel	Style	Finish	Colour	Edges	Type	Dimensions	Box Content (pcs.)	Box Content (m <sup>2</sup> )
FPNLD18-90-91		PP	L	Transparent	MB4	Board	900x180x3	15	2,430
	FPCLD18-90-91	PP	L	Transparent	MB4	Board	900x180x3	15	2,430
	FPCLD18-90-92	PP	SL	White	MB4	Board	900x180x3	15	2,430
	FPCLD18-90-93	PP	SL	Black	MB4	Board	900x180x3	15	2,430
	FPCLD18-90-95	PP	SL	Taupe	MB4	Board	900x180x3	15	2,430
	FPCLD18-90-96	PP	SL	Colonial	MB4	Board	900x180x3	15	2,430
TPNLD15-50-91		PP	L	Transparent	MB2	Tile	500x500x3	12	3,000
	TPCLD15-50-91	PP	L	Transparent	MB2	Tile	500x500x3	12	3,000
	TPCLD15-50-92	PP	SL	White	MB2	Tile	500x500x3	12	3,000
	TPCLD15-50-93	PP	SL	Black	MB2	Tile	500x500x3	12	3,000
	TPCLD15-50-95	PP	SL	Taupe	MB2	Tile	500x500x3	12	3,000
	TPCLD15-50-96	PP	SL	Colonial	MB2	Tile	500x500x3	12	3,000

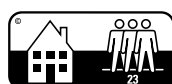
## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be fully glued (glue advice: [www.moso-bamboo.com/documentation/downloads](http://www.moso-bamboo.com/documentation/downloads)).
- This floor type can not be installed on floor heating systems.
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.

## technical characteristics

- Density (Top layer): +/- 700 kg/m<sup>3</sup>
- Top layer thickness / Wear layer: 2mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity
- Resistance to Indentation - Brinell Hardness: ≥ 3 kg/mm<sup>2</sup> (EN 1534)
- Thickness swelling: ≤ 3% (EN 13329)
- Resistance to Impact (Elasticity): > 1000 (EC1)
- Resistance to Abrasion<sup>1)</sup>: ≥ 3000 Revolutions (WR1) (EN 13696)
- Usage classification: Class 23 (EN 685)
- Reaction to fire: Class Dfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E1 (< 0,124 mg/m<sup>3</sup>) (EN 717-1)
- Slip resistance<sup>1)</sup>: USRV 26 (CEN/TS 15676), R 10 (DIN 51130)
- Thermal conductivity: 0,09 W/mK (EN 12667)
- Thermal resistance: 0,0318 m<sup>2</sup>K/W (EN 12667)
- Use Class: Class 1 (EN 335)
- Contribution LEED BD+C - v4: EQ2 / v2009: MR 6, IEQ 4.3
- Contribution BREEAM: HEA 2

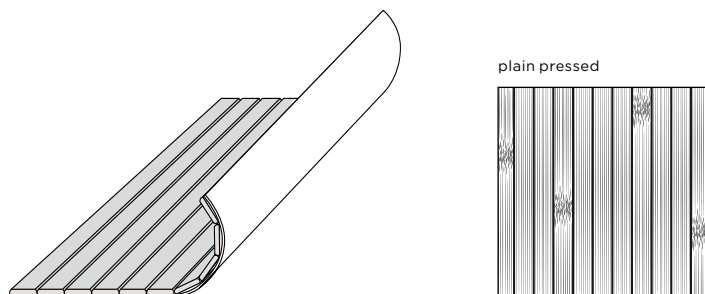
<sup>1)</sup> Only for lacquered versions.



breeam

# flexbamboo (latex backed flooring on roll)

MOSO Flexbamboo is made by connecting thin bamboo strips to a flexible latex backing and comes in rolls. The latex backing making it very comfortable to walk on. Flexbamboo offers excellent sound absorption characteristics at a very economical price. The product is finished with a high quality UV cured oil (SAICOS®) and is available in 7 trendy colours.



PP: Plain Pressed, O=Oiled Saicos, SO=Stained-oiled Saicos

Natural	Caramel	Style	Finish	Colour	Thickness (mm)	Strip dimensions (mm)	Roll Dimensions (m)
MPNL7-200-98		PP	SO	Ivory	4	2x7	2x45
MPNL17-200-98		PP	SO	Ivory	4	2x17	2x45
	MPCL7-200-21/91	PP	- / O	Caramel	4	2x7	2x45
	MPCL17-200-21/91	PP	- / O	Caramel	4	2x17	2x45
	MPCL7-200-92	PP	SO	Misty-White	4	2x7	2x45
	MPCL17-200-92	PP	SO	Misty-White	4	2x17	2x45
	MPCL7-200-94	PP	SO	Walnut	4	2x7	2x45
	MPCL17-200-94	PP	SO	Walnut	4	2x17	2x45
	MPCL7-200-95	PP	SO	Silver-Grey	4	2x7	2x45
	MPCL17-200-95	PP	SO	Silver-Grey	4	2x17	2x45
	MPCL7-200-96	PP	SO	Ebony	4	2x7	2x45
	MPCL17-200-96	PP	SO	Ebony	4	2x17	2x45
	MPCL7-200-97	PP	SO	Taupe-Grey	4	2x7	2x45
	MPCL17-200-97	PP	SO	Taupe-Grey	4	2x17	2x45

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be fully glued (glue advice: [www.moso-bamboo.com/documentation/downloads](http://www.moso-bamboo.com/documentation/downloads))
- This floor type can not be installed on floor heating systems.
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.

## technical characteristics

- Density (Toplayer): +/- 700 kg/m<sup>3</sup>
- Top layer thickness / Wear layer: 2mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity
- Resistance to Indentation - Brinell Hardness: ≥ 3 kg/mm<sup>2</sup> (EN 1534)
- Thickness swelling: ≤ 3% (EN 13329)
- Resistance to Impact (Elasticity): > 1000 (EC1) (EN 438-2)
- Usage classification: Class 23 (EN 685)
- Reaction to fire: Class Dfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E1 (< 0,124 mg/m<sup>3</sup>) (EN 717-1)
- Thermal conductivity: 0,09 W/mK (EN 12667)
- Thermal resistance: 0,0318 m<sup>2</sup>K/W (EN 12667)
- Use Class: Class 1 (EN 335)
- Contribution LEED BD+C - v4: EQ2 / v2009: MR 6, IEQ 4.3
- Contribution BREEAM: HEA 2



# bamboo flooring

## eternal collection

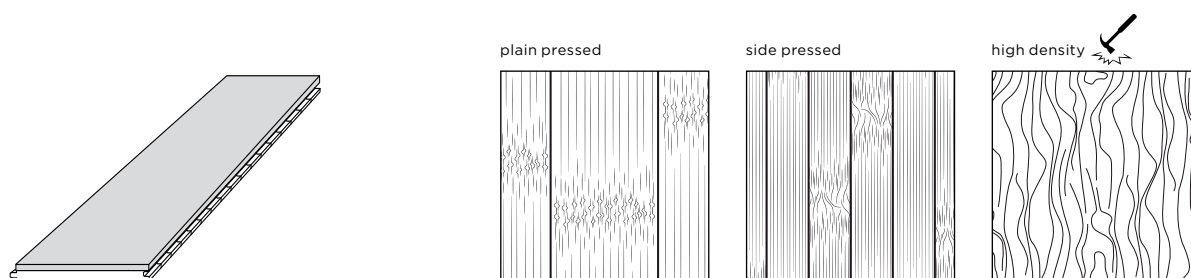
The Eternal Collection provides the **strongest** and most **robust** floors that MOSO has in its assortment. For customers that are searching for a **life-long** flooring solution, a floor from the Eternal Collection will be the best choice. MOSO Eternal floors are even suitable for use in the **toughest** applications for the **professional** market.

**bamboosupreme**  
**bambooforest**  
**bambooindustriale**



# bamboosupreme (2-ply flooring)

MOSO Bamboo Supreme is made from two layers of bamboo, with a 4mm toplayer and a cross pressed bamboo backing. The total thickness is 10mm which is relatively thin compared to other wood floors. However, as with any wood species the basic rule is: the thicker, the less stable the wood (shrink/swell). The 10mm thickness and 4mm toplayer is an ideal compromise between durability and stability and therefore offers a perfect solution for heavy circumstances, like installation on floor heating and/or installation in heavy traffic areas.



**FPO:** FSC® certified + E0 (urea formaldehyde free glue), **PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High Density, **L:** Lacquered Bona 125 gr/m², **LN:** Lacquered Bona Naturale (extra matt) 225 gr/m², **O:** Pre-oiled Woca Air Dried (to be re-oiled after installation), **SE:** Sharp Edge. \*) Equipped with "nano bevel, approx. 0,1mm (barely visible).

Natural	Caramel	FSC®	Style	Finish	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m²)
BF-LA401	BF-LA451	-FPO	PP	-	SE	970x95x10	36	3,317
BF-LA421	BF-LA471	-FPO	SP	-	SE	970x95x10	36	3,317
BF-LA403	BF-LA453		PP	O	SE	970x95x10	36	3,317
BF-LA423	BF-LA473		SP	O	SE	970x95x10	36	3,317
BF-DT403	BF-DT453		HD	O	SE*	920x96x10	24	2,120
BF-LA409	BF-LA459		PP	L	SE	970x95x10	36	3,317
BF-LA429	BF-LA479		SP	L	SE	970x95x10	36	3,317
BF-DT409	BF-DT459		HD	LN	SE*	920x96x10	24	2,120

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be fully glued (for glue details see full version of installation instruction).
- Elastic adhesive systems like 1-component Polyurethane or silan type of adhesives only can be used, when:
  - Shear strength  $T_s > 1.4 \text{ N/mm}^2$   
(3 days balanced at 23 degrees Celsius/50% Air Humidity)
  - Shear elongation  $\gamma \geq 0.5$   
(3 days balanced at 23 degrees Celsius/50% Air Humidity)
 Please ask your glue supplier for more information.
- This floor type can be installed – under certain conditions – on warm water floor heating. See “MOSO flooring and floor heating”.
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.

## technical characteristics

- Density (Toplayer): +/- 700 kg/m³ (SP/PP), +/- 1050 kg/m³ (HD)
- Top layer thickness / Wear layer: 4mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP)  
8% at 20°C and 50% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness:  $\geq 4 \text{ kg/mm}^2$  (SP/PP),  $\geq 9,5 \text{ kg/mm}^2$  (HD) (EN 1534)
- Reaction to fire: Class Cfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 ( $< 0,025 \text{ mg/m}^3$ ) <sup>2)</sup> Class E1 ( $< 0,124 \text{ mg/m}^3$ , EN 717-1)
- Slip resistance <sup>1)</sup>: USRV 26 (HD) (CEN/TS 15676) / R10 (HD) (DIN 51130)
- Thermal conductivity: 0,17 W/mK (SP/PP), 0,21 W/mK (HD) (EN 12667)
- Thermal resistance: 0,0588 m²K/W (SP/PP), 0,0471 m²K/W (HD) (EN 12667)
- Use Class: Class 1 (EN 335)
- Critical radiant flux: Class 1 (SP/PP), Class 1 (HD) (ASTM E 648)
- Contribution LEED BD+C - v4: MR1, MR2, EQ2, MR3 (FSC®)  
v2009: MR 6, IEQ 4.3, MR 7 (FSC®)
- Contribution BREEAM: HEA 2, MAT 1, MAT 3 (FSC®), MAT 5 (HD)

<sup>1)</sup> Only for lacquered versions.

<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according EN 717-1.



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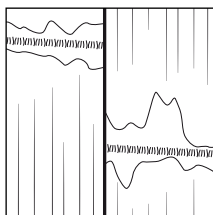
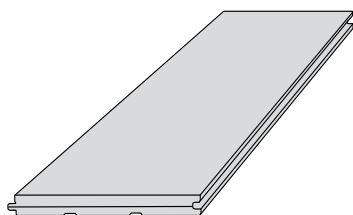
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# bambooforest (solid wide board)

MOSO Bamboo Forest is the most authentic bamboo floor imaginable. For this unique product the bamboo stem is flattened with a special process to create the top layer of a three layer solid bamboo floor board. The result is a very robust floor with the natural beauty and original look of the bamboo plant. The surface of the floor consists of the stony bark of the bamboo stem, which is so hard and wear resistant that no oil or lacquer finish is required.



**MB:** Micro Bevel

Product Code	Finish	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m <sup>2</sup> )
BF-FBS400	-	MB	1210x125x18	10	1,513
BF-FBS403	-	MB	970x97x18	18	1,694

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be fully glued (for glue details see full version of installation instruction) and can also be installed floating (max width 5m, max length 12m, using expansion gaps).
- Elastic adhesive systems like 1-component Polyurethane or silan type of adhesives only can be used, when:
  - Shear strength  $T_s > 1.4 \text{ N/mm}^2$   
(3 days balanced at 23 degrees Celsius/50% Air Humidity)
  - Shear elongation  $\gamma >= 0.5$   
(3 days balanced at 23 degrees Celsius/50% Air Humidity)
 Please ask your glue supplier for more information.
- This floor type can be installed – under certain conditions – on warm water floor heating. See “MOSO flooring and floor heating”.
- After installation: the surface of the MOSO Bamboo Forest is the bark/skin of the bamboo pole and is very hard and dense. To protect it (and especially to close the gaps at the bevel) a floor wax can be applied.

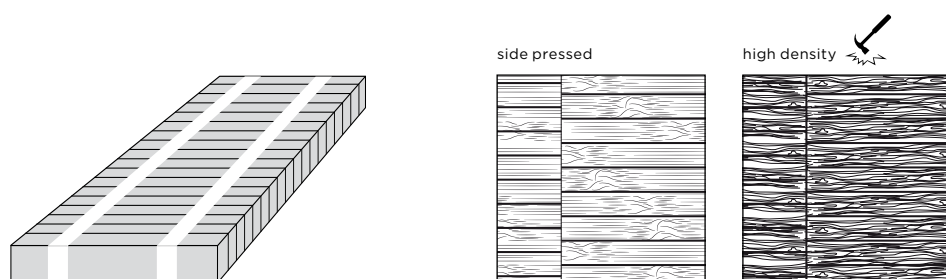
## technical characteristics

- Density (Product): 850 kg/m<sup>3</sup>
- Top layer thickness / Wear layer: 6mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity
- Resistance to Indentation - Brinell Hardness:  $\geq 9,5 \text{ kg/mm}^2$  (EN 1534)
- Reaction to fire: Class Cfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 ( $< 0,025 \text{ mg/m}^3$ ) <sup>2)</sup> Class E1 ( $< 0,124 \text{ mg/m}^3$ , EN 717-1)
- Thermal conductivity: 0,21 W/mK (EN 12667)
- Thermal resistance: 0,0872 m<sup>2</sup>K/W (EN 12667)
- Use Class: Class 1 (EN 335)
- Contribution LEED BD+C - v4: MR1, MR2, EQ2 / v2009: MR 6, IEQ 4.3
- Contribution BREEAM: HEA 2, MAT 1, MAT 5

<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according EN 717-1.

# bambooindustriale (industrial flooring)

MOSO Bamboo Industriale consists of small floor 'boards' made from short solid bamboo strips, creating the specific industrial look. The 'boards' are in fact blocks of strips bundled together with tape (so no glue is used in the product itself!). The floor installer glues them on the subfloor, sands off the tape, fills the gaps and finishes the surface. Being made of such small strips, the floor is very stable – making it the perfect solution for application on floor heating. This floor has the thickest wear layer of all MOSO floors: up to 15mm!



SP: Side Pressed, HD: High Density, SE: Sharp Edge

\*) Thermo treated, \*\*) Industrial Look, \*\*\*) Also available with FSC® certification.

Natural	Caramel	Chocolate*	FSC*	Style	Finish	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m²)
BF-PR300	BF-PR350			SP**	-	SE	280x140x10	96	3,763
BF-PR100	BF-PR150			SP**	-	SE	280x140x15	60	2,352
BF-PR1000	BF-PR1050		-FP***	HD	-	SE	300x200x10	32	1,920
	BF-PR1060			HD	-	SE	300x200x10	32	1,920

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be fully glued (for glue details see full version of installation instruction).
- Elastic adhesive systems like 1-component Polyurethane or silan type of adhesives only can be used, when:
  - Shear strength  $T_s > 1.4 \text{ N/mm}^2$  (3 days balanced at 23 degrees Celsius/50% Air Humidity)
  - Shear elongation  $\gamma \geq 0.5$  (3 days balanced at 23 degrees Celsius/50% Air Humidity)
 Please ask your glue supplier for more information.
- After the glue has hardened, the floor can be sanded, filled (with a mixture of sanding dust and floor filler) and finished (with floor lacquer or oil).
- This floor type can be installed – under certain conditions – on warm water floor heating. See "MOSO flooring and floor heating".
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.
- Attention:** the width of the individual bamboo strips can vary between approx. 4 and 8mm (High Density 13-14mm). MOSO guarantees that within 1 delivery the variation in strip width is limited.

## technical characteristics

- Density (Product): +/- 700 kg/m³ (SP), +/- 1050 kg/m³ (HD)
- Top layer thickness / Wear layer: 10mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP)  
8% at 20°C and 50% rel. Air Humidity (SP)
- Resistance to Indentation - Brinell Hardness:  $\geq 4 \text{ kg/mm}^2$  (SP),  $\geq 9,5 \text{ kg/mm}^2$  (HD) (EN 1534)
- Reaction to fire: Class Cfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 ( $< 0,025 \text{ mg/m}^3$ ) <sup>2)</sup> Class E1 ( $< 0,124 \text{ mg/m}^3$ , EN 717-1)
- Thermal conductivity: 0,17 W/mK (SP), 0,26 W/mK (HD) (EN 12667)
- Thermal resistance: 0,0588 m²K/W (SP), 0,0392 m²K/W (HD) (EN 12667)
- Use Class: Class 1 (EN 335)
- Critical radiant flux: Class 1 (SP), Class 1 (HD) (ASTM E 648)
- Contribution LEED BD+C - v4: MR1, MR2, EQ2, MR3 (FSC\*)  
v2009: MR 6, IEQ 4.3, MR 7 (FSC\*)
- Contribution BREEAM: HEA 2, MAT 1, MAT 3 (FSC\*), MAT 5 (HD)

<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according EN 717-1.



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# bamboo flooring

## grand collection

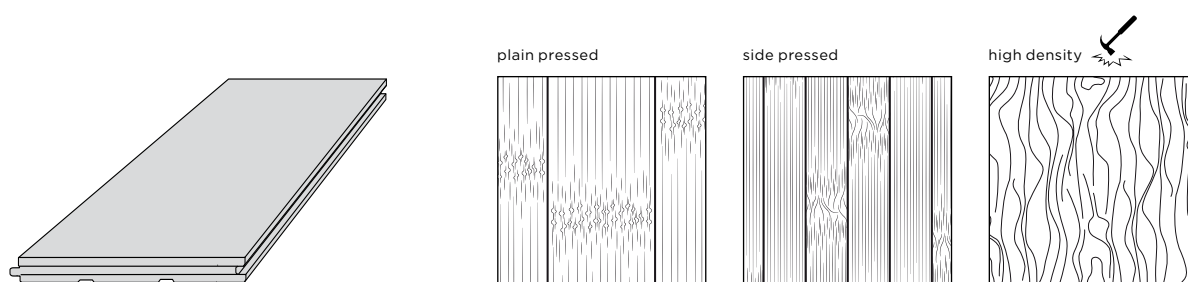
The Grand Collection was specially developed for customers that appreciate the aesthetics of **large boards** for a **spacious** and **exclusive** look. Because of the large size of the boards, the installation can be done relatively fast.

**bamboodelite**  
**bambooplex**  
**bamboonoble**



# bamboelite (solid wide board)

MOSO Bamboo Elite is a floor board which is relatively long and wide (compared to other MOSO floors) and is made from three layers of solid bamboo. The middle layer of Bamboo Elite is pressed cross wise to maximise the stability.



**PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High Density, **L:** Lacquered Bona 80 gr/m<sup>2</sup>, **LN:** Lacquered Bona Naturale (extra matt) 125 gr/m<sup>2</sup>, **O:** Pre-oiled Woca Air Dried (has to be re-oiled after installation), **SE:** Sharp Edge, **MB:** Micro Bevel. \*) Middle layer cross pressed.

Natural	Caramel	Style	Finish	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m <sup>2</sup> )
BF-LA300	BF-LA350	PP*	-	SE	1960x159x15	8	2,493
BF-LA320	BF-LA370	SP*	-	SE	1960x159x15	8	2,493
BF-LA301	BF-LA351	PP*	L	MB	1960x159x15	8	2,493
BF-LA321	BF-LA371	SP*	L	MB	1960x159x15	8	2,493
BF-DT301	BF-DT351	HD*	LN	MB	1830x142x13	6	1,559
BF-DT303	BF-DT353	HD*	O	MB	1830x142x13	6	1,559

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be fully glued (for glue details see full version of installation instruction) and can also be installed floating (max width 6m, max length 12m, using expansion gaps).
- Elastic adhesive systems like 1-component Polyurethane or silan type of adhesives only can be used, when:
  - Shear strength Ts > 1.4 N/mm<sup>2</sup>  
(3 days balanced at 23 degrees Celsius/50% Air Humidity)
  - Shear elongation y >= 0.5  
(3 days balanced at 23 degrees Celsius/50% Air Humidity)
 Please ask your glue supplier for more information.
- This floor type can be installed – under certain conditions – on warm water floor heating. See “MOSO flooring and floor heating”.
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.

## technical characteristics

- Density (Toplayer): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: 5mm (SP/PP), 3mm (HD)
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP)  
8% at 20°C and 50% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP/PP),  
≥ 9,5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Reaction to fire: Class Cfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 (< 0,025 mg/m<sup>3</sup>) <sup>2)</sup> Class E1 (< 0,124 mg/m<sup>3</sup>, EN 717-1)
- Slip resistance <sup>1)</sup>: USRV 26 (CEN/TS 15676) / R 10 (DIN 51130)
- Thermal conductivity: 0,17 W/mK (SP/PP), 0,19 W/mK (HD) (EN 12667)
- Thermal resistance: 0,0882 m<sup>2</sup>K/W (SP/PP), 0,0784 m<sup>2</sup>K/W (HD) (EN 12667)
- Use Class: Class 1 (EN 335)
- Contribution LEED BD+C - v4: MR1, MR2, EQ2  
v2009: MR 6, IEQ 4.3
- Contribution BREEAM: HEA 2, MAT 1, MAT 5 (HD)

<sup>1)</sup> Only for lacquered versions.

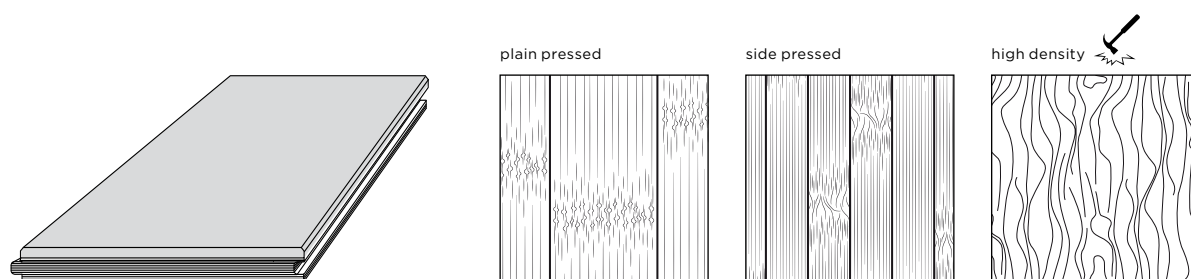
<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according EN 717-1.



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# bambooplex (2-ply wide board)

The MOSO Bamboo Plex have tongue and groove and consist of 2 layers: a 4mm bamboo top layer and a multiplex (15mm) sub layer. With this construction, the floor board is extremely stable and with the thick top layer also very durable. The bevel (on the length side) creates a typical 'plank pattern' in the floor.



**PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High Density, **O:** Pre-oiled Woca Air Dried (has to be re-oiled after installation), **B:** Bevel (only on length side)

Natural	Caramel	Style	Finish	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m <sup>2</sup> )
BF-DP803	BF-DP853	PP	O	B	1900x189x19	5	1,795
BF-DP823	BF-DP873	SP	O	B	1900x189x19	5	1,795
BF-DT803	BF-DT853	HD	O	B	1850x189x19	5	1,748

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be installed floating (max width 7m, max length 12m, using expansion gaps) but can also be fully glued to the subfloor (for glue details see full version of installation instruction).
- This floor type can be installed - under certain conditions - on warm water floor heating. See "MOSO flooring and floor heating".
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.

## technical characteristics

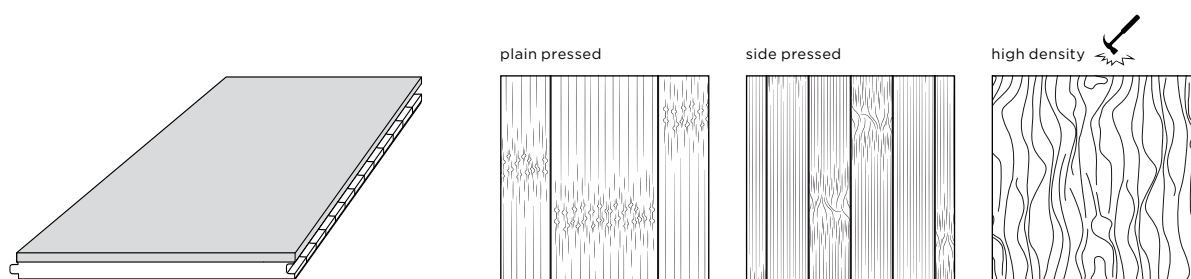
- Density (Toplayer): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: 4mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP)
- 8% at 20°C and 50% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP/PP), ≥ 9,5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Reaction to fire: Class Dfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 (< 0,025 mg/m<sup>3</sup>) <sup>2)</sup> Class E1 (< 0,124 mg/m<sup>3</sup>, EN 717-1)
- Thermal conductivity: 0,13 W/mK (SP/PP), 0,19 W/mK (HD) (EN 12667)
- Thermal resistance: 0,1485 m<sup>2</sup>K/W (SP/PP), 0,1407 m<sup>2</sup>K/W (HD) (EN 12667)
- Use Class: Class 1 (EN 335)
- Contribution LEED BD+C - v4: EQ2 / v2009: MR 6, IEQ 4.3
- Contribution BREEAM: HEA 2, MAT 1, MAT 5 (HD)

<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according EN 717-1.

# bamboonoble (engineered board)

MOSO Bamboo Noble is, together with MOSO Bamboo Plex, the widest flooring board MOSO has to offer. MOSO Bamboo Noble consists of 3 layers, with a bamboo top layer.

The other layers are made of soft wood, the middle layer being cross pressed to maximise stability. In addition to the normal tongue and groove connection, the boards are also available with a “click” system which facilitates installation without using glue.



**PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High Density, **L:** Lacquered Bona 80 gr/m<sup>2</sup>, **O:** Pre-oiled Woca Air Dried (to be re-oiled after installation), **SE:** Sharp Edge. \*) With Click system, \*\*) Equipped with “nano bevel, approx. 0,1 mm (barely visible).

Natural	Caramel	Style	Finish	Edges	Dimensions (mm)	Box Content (pcs.)	Box Content (m <sup>2</sup> )
BF-SW300	BF-SW350	PP	L	SE	2200x190x15	8	3,344
BF-SW400	BF-SW450	SP	L	SE	2200x190x15	8	3,344
BF-SW301	BF-SW351	PP	O	SE	2200x190x15	8	3,344
BF-SW401	BF-SW451	SP	O	SE	2200x190x15	8	3,344
BF-SW200*	BF-SW250*	HD	L	SE**	1850x142x15	8	2,012
BF-SW320*	BF-SW370*	PP	L	SE	2200x190x15	8	3,344
BF-SW420*	BF-SW470*	SP	L	SE	2200x190x15	8	3,344
BF-SW321*	BF-SW371*	PP	O	SE	2200x190x15	8	3,344
BF-SW421*	BF-SW471*	SP	O	SE	2200x190x15	8	3,344

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Check room climate conditions (room temp. 18-20°C, air humidity 50-65%).
- Check subfloor: this should be flat/clean/stable and should not exceed the maximum allowed moisture content (for example 1.8% for sand cement).
- The floor should be installed floating (max width 7m, max length 12m, using expansion gaps) but can also be fully glued to the subfloor (for glue details see full version of installation instruction).
- If your Bamboo Noble floor is equipped with a click system, you can install the floor without using glue.
- This floor type can be installed – under certain conditions – on warm water floor heating. See “MOSO flooring and floor heating”.
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.

## technical characteristics

- Density (Toplayer): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: 4mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP/PP), ≥ 9,5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Reaction to fire: Class Dfl-s1 (EN 13501-1)
- Formaldehyde emission: Class E0 (< 0,025 mg/m<sup>3</sup>) <sup>2)</sup> Class E1 (< 0,124 mg/m<sup>3</sup>, EN 717-1)
- Thermal conductivity: 0,13 W/mK (SP/PP), 0,14 W/mK (HD) (EN 12667)
- Thermal resistance: 0,1152 m<sup>2</sup>K/W (SP/PP), 0,1074 m<sup>2</sup>K/W (HD) (EN 12667)
- Contribution LEED BD+C - v4: EQ2 / v2009: MR 6, IEQ 4.3
- Contribution BREEAM: HEA 2, MAT 1, MAT 5 (HD)

<sup>2)</sup> E0 Class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product has a very low emission, not detectable (n.d.) emission or is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 Class according EN 717-1.



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# accessories

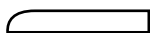
MOSO offers a full array of bamboo accessories for a sophisticated finishing touch to the MOSO floor of your choice.

## skirting

MOSO supplies both skirting strips (to be nailed on the floor) and skirting boards (to be screwed on the wall). The skirting is both available in unfinished and pre finished.

### skirting strip

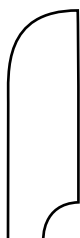
**PP:** Plain Pressed, **HD:** High density, **L:** Lacquered, **LM:** Lacquered Matt, **SL:** Stain-Lacquered  
\*) Colors available consistent with flooring, Unibamboo and Flexbamboo assortment.



Natural	Caramel	Style	Finish	Dimensions (mm)
BS-F100	BS-F150	PP	-	2000x25x5
	BS-F150-*	PP	SL	2000x25x5
BS-F200	BS-F250	PP	L	2000x25x5
BS-FDT201	BS-FDT251	HD	LM	1830x25x5

### skirting board

**PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High density, **L:** Lacquered, **LM:** Lacquered Matt  
\*) Colors available consistent with flooring, Unibamboo and Flexbamboo assortment.



Natural	Caramel	Style	Finish	Dimensions (mm)
BS-DT100-L	BS-DT150-L	HD	LM	1830x68x15
BS-FB100		FOREST	-	1200x60x18
BS-H200	BS-H250	SP	-	2000x50x15
BS-H300	BS-H350	PP	-	2000x50x15
BS-H200-L	BS-H250-L	SP	L	2000x50x15
BS-H200-*	BS-H250-*	SP	L	2000x50x15
BS-H300-L	BS-H350-L	PP	L	2000x50x15

### veneered skirting board

**SP:** Side Pressed, **L:** Lacquered

Natural	Caramel	Style	Finish	Dimensions (mm)
BS-P40-22-NSFL	BS-P40-22-CSFL	SP	L	2500x40x22
BS-P45-22-NSFL	BS-P45-22-CSFL	SP	L	2500x45x22
BS-P60-15-NSFL	BS-P60-15-CSFL	SP	L	2500x60x15

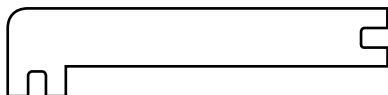
### installation

- Skirting strip: Nailed on floor
- Skirting board: Screwed on wall

### application

- Skirting strip: Apply to floors with fixed installation
- Skirting board: Apply to floors with floating installation and fixed installation

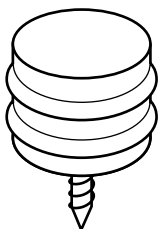




## stair nose

**PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High density, **L:** Lacquered, **LM:** Lacquered Matt,  
 \*) Fitting to Bamboo Supreme, \*\*) Fitting to Purebamboo and Bamboo Elite, \*\*\*) Fitting to Bamboo Elite

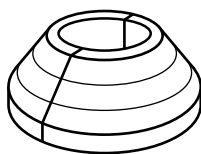
Natural	Caramel	Style	Thickness	Finish	Dimensions (mm)
BN-PP310*	BN-PP360*	PP	10mm	-	2000x50x10/15
BN-FB100		FOREST	18mm	-	1200x80x18/25
BN-SP310*	BN-SP360*	SP	10mm	-	2000x50x10/15
BN-PP319*	BN-PP369*	PP	10mm	L	2000x50x10/15
BN-SP319*	BN-SP369*	SP	10mm	L	2000x50x10/15
BN-DT319*	BN-DT369*	HD	10mm	LM	1830x50x10/15
BN-PP300**	BN-PP350**	PP	15mm	-	2000x55x15/20
BN-SP300**	BN-SP350**	SP	15mm	-	2000x55x15/20
BN-PP309**	BN-PP359**	PP	15mm	L	2000x55x15/20
BN-SP309**	BN-SP359**	SP	15mm	L	2000x55x15/20
BN-SP320**	BN-SP370**	SP	15mm	-	2000x55x15/20
BN-SP329**	BN-SP379**	SP	15mm	L	2000x55x15/20
BN-DT519***	BN-DT569***	HD	13mm	LM	1830x55x13/18



## door stopper

L: Lacquered

Natural	Caramel	Finish	Dimensions (mm)
DS100	DS150	L	32x34 (diam. x height)



## radiator pipe rosette

L: Lacquered

Natural	Caramel	Hole Diameter	Finish	Dimensions (mm)
BR100-16	BR150-16	16mm	L	50x50x18
BR100-22	BR150-22	22mm	L	55x55x20

# floor heating

Not all MOSO floor types can be installed on a floor heating system. In the installation instruction or the datasheet of your MOSO floor you will find whether it is suitable for installation on floor heating or not.

## preconditions

In case your MOSO floor is suitable, please make sure the following conditions are met:

- Installation is only possible on a warm water floor heating system (so not on an electrical system).
- The installation can only take place after determining the moisture content of the subfloor by means of the CM method. This value should be below the values as indicated in the installation instruction.
- The slab should at least be 50mm thick (minimal distance to the tubes: 35mm)
- The flooring should be professionally glued to the subfloor.
- The flooring should be glued with glue which is suitable for using on a floor heating system.
- The surface temperature of the flooring should not be over 25°C.
- Temperature 'detection stickers' should be built in on each heating loop.
- During installation the surface temperature of the slab should be around 18-20°C. The relative air humidity should be approx. 55%.
- During installation of the flooring the heating system should be turned off and the subfloor should be cooled off.
- The heating system should not be used until after 2 weeks after installation. The system should be warmed up slowly and the temperature of the flooring should never exceed 25°C.
- When placing MOSO flooring on floor heating it is always possible that seams between the boards and cupping can develop. To minimise this you need to create optimal room conditions: a temperature of approx. 20°C and a 55-65% relative air humidity.

# recommended glue

Always follow the advice of the glue supplier.

## general flooring

\*) Not for Bamboo Industriale

Brand	Product
Bona	R770
	R850*
Forbo	144 Euromix PU
	157 Eurowood MS Hard Elastic
	158 Eurowood MS Hard Elastic Sepia
Stauf	Stauf SPU-545
	Stauf SPU-570
	Stauf PUK-445
	Stauf PUK-450
Wakol	PU210
	PU225
	PU350
	MS260

## unibamboo / flexbamboo

Depending on the subfloor 2 different types of glue can be used:

### open structure / moisture absorbing subfloors

(sand cement, anhydrite, wood, gypsum)

#### type of glue:

Carpet / **dispersion** glue

#### pay attention to:

- Floor has to be fully flat. If not, floor has to be leveled.
- Wait 10-20 minutes until glue surface becomes frosted/matt. Glue is ready when it sticks to your finger.
- Never use more glue per m<sup>2</sup> than indicated in this glue advice!
- After installation use heavy roller to secure adhesion.

Approved glues	Trowel	Applying amount (g/m <sup>2</sup> )
Bostik Sadertac V3	B1	300-350
Forbo Eurocol 640	A2	225-275
Forbo Eurocol 540	A2	250-350
Mapei Mapecryl	A2/B1	250-350
Uzin MK82	B3	300-350
Wakol D3360	A2/B1	300-350

### closed structure / non absorbing subfloors

(concrete, ceramic, coated floors)

#### type of glue:

Hard elastic / **silane** glue

#### pay attention to:

- Real glue adhesion starts after approx 2 hours. So in meantime do not walk on the installed boards or push them too much!
- Never use more glue per m<sup>2</sup> than indicated in this glue advice!
- After installation use heavy roller to secure adhesion (this can be done after the glue starts to adhere, so approx 2 hours).

Approved glues	Trowel	Applying amount (g/m <sup>2</sup> )
Bona R850	B1	300-350
Mapei S955	A2/B1	300-350
Uzin MK100	B3	300-350

# flooring warranty

MOSO International BV guarantees the construction and the glueing of the individual layers for a period of up to 30 years from the date of purchase in accordance with the following provisions:



- This warranty does not cover damage caused by misuse, accidents, insect infestation, force majeure and damage caused by other, in normal residential unusual, circumstances.
- Also not covered are purely visual impairments such as imprints, joints, discoloration by light, seasonal climate-related deformation or wear of the surface coating. Damage resulting from improper installation, maintenance, cleaning or maintenance of the surface coating, mechanical or chemical damage or damage caused by moisture effects are also excluded from this warranty.
- This warranty statement supersedes all previous statements; the granting of the manufacturer's warranty applies only to the current version.

## scope

- The guarantee extends to A-grade products and to the exclusive use in normal used spaces.
- The guarantee applies only to the original purchaser and can not be transferred.

## warranty conditions

To make use of the warranty the following conditions must be fulfilled.

- Proper Installation: Please read carefully, before laying the floor, our installation instructions. You can find these in any original package and in addition on the internet at [www.moso-bamboo.com/service/downloads](http://www.moso-bamboo.com/service/downloads). In particular, you should pay attention to the moisture content of the sub floor and to the conditions for laying on floor heating. No claims can be made in case of improper installation!
- Proper care and cleaning: Important information for optimal cleaning and care can be found in each of the original package or on the Internet at [www.moso-bamboo.com/service/downloads](http://www.moso-bamboo.com/service/downloads). No claims can be made in case of improper care and or cleaning!

- Proper maintenance of the coating: The wear of the coating is not part of the warranty. If the coating surface shows signs of wear, in whole or in part, it must be timely renewed in order to protect the material. No claims can be made in case of improper maintenance of the surface coating.

## warranty

- This warranty applies in addition to the normal legal rights of the buyer, including the rights of the buyer against the seller.
- If a claim is granted before laying the material, faulty planks are replaced free of charge. No claims can be made after laying the material if the buyer could have detected the defects before installation. This warranty does not cover damage that was caused by third parties (eg transport damage).
- If defects occur after installation, MOSO International BV reserves the right to either repair the defect or to offer material free of charge to the buyer.
- If the defective product is no longer in the product range, an equivalent from the current range will be supplied.
- A claim does not lead to an extension of the warranty period.
- The cost for the replacement of material and other charges are not included in the warranty.

## settlement of the guarantee

- The claim must be made in writing, within 30 days, to the MOSO dealer / seller, a MOSO subsidiary or directly to MOSO International BV, De Marowijne 43, 1689 AR Zwaag, the Netherlands.
- MOSO International BV reserves the right to check the claimed damage, after appointment, on site.





# bamboo outdoor

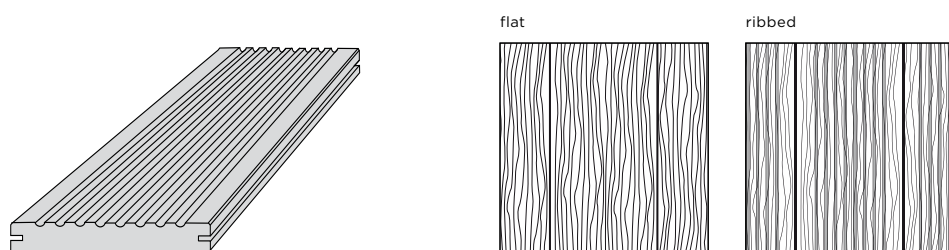
## outdoor collection

With the introduction of the Outdoor Collection, MOSO has developed a truly **ecological** and **durable** alternative for increasingly scarce tropical hardwood. MOSO uses a unique patented process to alter the **hardness**, **dimensional stability** and **durability** to a level **superior** to the best tropical hardwood species. Although Bamboo X-treme may be used in several outdoor applications, at the moment the main use is for **terrace decking**.

## **bamboox-treme** (decking)

# bamboox-treme (outdoor decking)

MOSO Bamboo X-treme is a solid, high density bamboo board, made from compressed bamboo strips. Bamboo X-treme is suitable for outdoor applications, especially as decking. A special, patented heat treatment process provides Bamboo X-treme the highest durability class possible in the appropriate EU norms (see technical characteristics below) and increases the density – making it very hard. The special symmetrical shape of the sides offers the possibility to choose between either the ribbed or the flat surface, and allows for quick installation with MOSO fasteners. Like any untreated tropical hardwood species, when exposed to outdoor circumstances, Bamboo X-treme will turn grey over time creating a very natural look.



O: Oil Woca, B: Bevel (also on headsides), R: Ribbed, F: Flat, Head-side T/G: Head-side Tongue/Groove  
 \*) Also available with FSC® certification, \*\*) Available on request.

Product Code	FSC*	Grooved	Finish	Edges	Surface	Head-side T/G	Dimensions (mm)
BO-DTHT170G	-FP*	Yes	-	B	R/F	Yes	1850x137x20
BO-DTHT171G	-FP*	Yes	O	B	R/F	Yes	1850x137x20
BO-DTHT190G**	-FP*	Yes	-	B	R/F	Yes	1850x155x20
BO-DTHT191G**	-FP*	Yes	O	B	R/F	Yes	1850x155x20

## installation summary (full version available on [www.moso.eu](http://www.moso.eu))

- Install a suitable, stable and durable sub frame.
- Determine which side of the board will be used: the ribbed or flat side.
- Fix the boards on the sub frame using fasteners (to be inserted in the grooves of the board) or alternatively with screws (through the surface).
- Use a 1-2% slope and make sure good ventilation is secured.
- After installation: make sure proper cleaning and maintenance is done, fitting to the chosen finish.
- When not applying outdoor oil 2x per year, the floor will acquire a grey colour tone and the typical bamboo wood grain structure will become less visible.
- Bamboo X-treme is available pre-oiled or unfinished.  
 Final treatment after installation with water based oil/ saturator is necessary for all versions.
- For further info: please see the installation/maintenance instructions.

## technical characteristics

- Density: +/- 1200 kg/m<sup>3</sup>
- Dimensional stability: length: + 0,1 %; width + 0,9% (24 hours in water 20°C)
- Resistance to Indentation - Brinell Hardness: ≥ 9,5 kg/mm<sup>2</sup> (EN 1534)
- Reaction to fire: Class Bfl-s1 (EN 13501-1)
- Modulus of Elasticity: 10737 N/mm<sup>2</sup> (EN 408)
- Breaking strength: 50,30 N/mm<sup>2</sup> (EN 408)
- Biological durability:  
 Class 1 (EN 350 / ENV 807)  
 Class 1 (EN 350 / EN 113)
- Effectiveness against Blue Stain: Class 0 (EN 152)
- Use Class: Class 4 (EN 335)
- Contribution LEED BD+C - v4: MR1, MR2, MR3 (FSC®)  
 v2009: MR 6, MR 7 (FSC®)
- Contribution BREEAM: MAT 1, MAT 3 (FSC®), MAT 5 (HD)

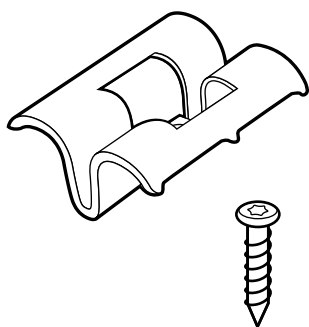


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breeam

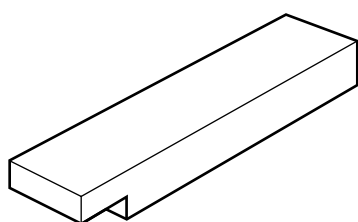
# accessories



## MOSO® fastener and screw

With these fasteners Bamboo X-treme decking can be easily installed. When installed correctly there will be 5-6mm gaps between the boards. The fastener is supplied with matching stainless steel screws (square bit).

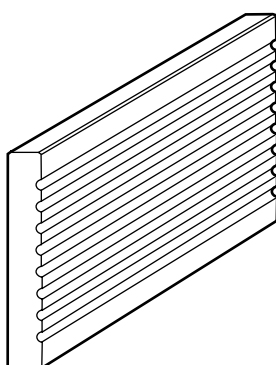
Product Code	Item	Material	Color	Dimensions (mm)
CLIP-SCREW-BX03	Fastener	Stainless steel A2 (AISI304)	Brown	27x22,5x10,8
	Screw	Stainless steel A2 (AISI304)	Black	4,5x30



## sub frame joists

The Bamboo X-treme sub frame joists are made of the same material as the decking boards: high density heat treated bamboo.

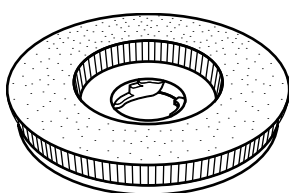
Product Code	Material	Finish	Dimensions (mm)
BO-SB150	High density heat treated bamboo	Unfinished	2440x70x40



## endprofile

The BO-DTHT162 is an endprofile for an elegant finish of the sides of the decking. It is placed vertically against the sides of the terrace to cover the sub frame.

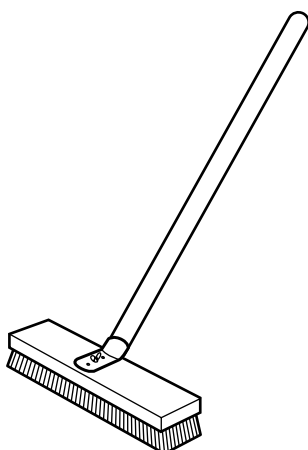
Product Code	Material	Finish	Dimensions (mm)
BO-DTHT162	High density heat treated bamboo	Unfinished	1850x137x20



## broom stick and disk

The silicium carbid broom and machine disk are perfectly suited to clean and smoothen the decking surface of Bamboo X-treme and to remove splinters due to the capability to sand the surface in addition to cleaning it.

Product Code	Material
Disk-01	16" Silicium carbid disk
Product Code	Material
Broom-01	Silicium carbid broom





# bamboo beams, panels & veneer

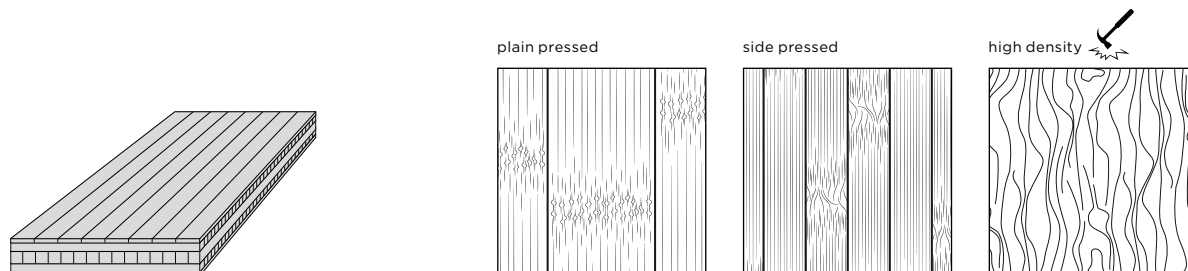
MOSO offers a very **broad assortment** of bamboo **panels, veneer and beams** in various sizes, thickness, colours and textures. Our panelling products have been used **worldwide** in various applications ranging from wall covering, ceilings, window frames, doors, stairs, furniture and kitchens.

**solid panel**  
**1-ply panel**  
**veneer**  
**flexbamboo**  
**solid beam**



# solid panel

MOSO solid panel is a visually appealing board product that consists of multiple layers of bamboo, available in multiple variations with respect to size, thickness, configuration, style and colour. These bamboo panels are especially interesting in those applications where the side of the panel remains visible, such as steps of a staircase, furniture and kitchen work tops.



**FPO:** FSC® certified + E0 (urea formaldehyde free glue), **PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High Density (outer layers)  
 \*) Thermo treated (outer layers), \*\*) Mix of natural and caramel strips.

Natural	Caramel	Chocolate*	Tiger**	FSC*	Style	Thickness (mm)	Construction (mm)	Dimensions (mm)
BP-MP1230	BP-MP1280				PP	16	3,5-9-3,5	2440x1220
BP-MP1210	BP-MP1260			-FPO	PP	20	4-12-4	2440x1220
BP-5P131	BP-5P181				PP	20	5x4	2440x1220
BP-MP1215	BP-MP1265				PP	25	4-17-4	2440x1220
BP-MP1240	BP-MP1290				PP	30	5-20-5	2440x1220
BP-5P105	BP-5P155				PP	40	4-8-16-8-4	2440x1220
BP-5P140	BP-5P190				PP	40	4-6-20-6-4	3000x700
BP-5P145	BP-5P195				PP	40	4-6-20-6-4	4000x620
BP-MP400	BP-MP450				SP	7	2-3-2	2440x1220
BP-MP1430	BP-MP1480				SP	16	3,5-9-3,5	2440x1220
BP-SP800	BP-SP850				SP	19	1x19	2440x1220
BP-MP1410	BP-MP1460			-FPO	SP	20	4-12-4	2440x1220
		BP-MP1660*			SP	20	4-12-4	2440x1220
BP-MP1415	BP-MP1465				SP	25	4-17-4	2440x1220
BP-MP1440	BP-MP1490				SP	30	5-20-5	2440x1220
BP-5P205	BP-5P255				SP	40	4-8-16-8-4	2440x1220
BP-5P240	BP-5P290				SP	40	4-6-20-6-4	3000x700
BP-5P245	BP-5P295				SP	40	4-6-20-6-4	4000x620
BP-DT1000	BP-DT1050				HD	20	4-12-4	2440x1220
			BP-DT1050-NP		HD	20	4-12-4	2440x1220
BP-DT5000	BP-DT5050				HD	38	3-6-20-6-3	2440x1220

## application

- Attention:** before pressing the panels both glue surfaces have to be sanded to create an optimal adhesion between the panels. This is especially important for cold pressing where multiple panels are piled and pressed at the same time.
- Advised room conditions: temperature approx. 20°C. Air humidity 50-65%.
- The MOSO solid panels always have one exposed side and one backside. The backside generally contains more colour variation than the exposed side.
- The inner layers of MOSO solid panels consist of multiple, separated segments, which can lead to some small voids in these layers. These voids have to be filled when finishing the panel. This is done to optimize the stability of the panels. The middle layers of the 3m and 4m panels can contain segments which have been connected by fingerjoints.

## technical characteristics

- Density (Toplayer): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: 3,5-5mm <sup>1)</sup> (SP/PP), 3-4mm <sup>1)</sup> (HD)
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP)
- 8% at 20°C and 50% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP/PP), ≥ 9,5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Reaction to fire: Class D-s1 <sup>2)</sup> (SP/PP) (EN 13501-1)
- Formaldehyde emission: Class E1 (< 0,124 mg/m<sup>3</sup>, EN 717-1) / Class E0 (< 0,025 mg/m<sup>3</sup>) <sup>3)</sup>
- Modulus of Elasticity: +/- 4300 N/mm<sup>2</sup> (40mm) <sup>4)</sup> (EN 789)
- Glue: D3 water resistant
- Contribution LEED BD+C - v4: MR1, MR2, EQ2, MR3 (FSC\*) / v2009: MR 6, MR 7 (FSC\*), IEQ 4.4 (if requested as E0)
- Contribution BREEAM: HEA 2, MAT 1, MAT 3 (FSC\*), MAT 5 (HD)

<sup>1)</sup> Depending on thickness version.

<sup>2)</sup> For 40mm version.

<sup>3)</sup> Available on request - E0 class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 class according EN 717-1.

<sup>4)</sup> Modulus of Elasticity of other panels available on request.



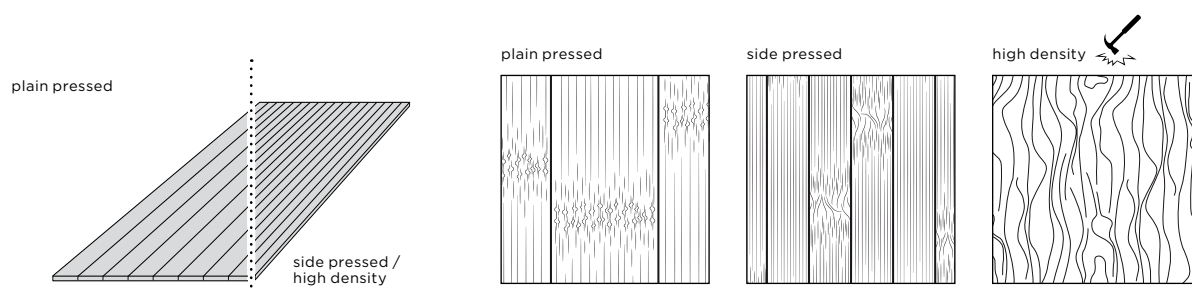
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# 1-ply panel

MOSO 1-ply panel is mainly used as a panel covering material, where the bamboo is pressed, double sided, on a base (for example MDF or chipboard). Most applications require pressing on both sides of the base, to prevent possible bending. The result is a “sandwich panel”.



**PP:** Plain Pressed, **SP:** Side Pressed, **HD:** High Density  
 \*) Mix of natural and caramel strips.

Natural	Caramel	Chocolate	Tiger*	Style	Thickness (mm)	Construction (mm)	Dimensions (mm)
BP-1P800	BP-1P850			PP	3	1x3	2440x1220
BP-1P102	BP-1P152			PP	5	1x5	2210x610
BP-1P802	BP-1P852			PP	5	1x5	2440x1220
BP-SP300	BP-SP350			SP	3	1x3	2440x1220
BP-SP102	BP-SP152			SP	5	1x5	2210x610
BP-SP302	BP-SP352			SP	5	1x5	2440x1220
BP-DT400	BP-DT450	BP-DT450-DC	BP-DT450-NP	HD	4	1x4	2440x1220

## application

**Attention:** before pressing the panels both glue surfaces have to be sanded to create an optimal adhesion between the panels. This is especially important for cold pressing where multiple panels are piled and pressed at the same time.

- Advised room conditions: temperature approx. 20°C. Air humidity 50-65%.

## technical characteristics

- Density (Product): +/- 700 kg/m<sup>3</sup> (SP/PP), +/- 1050 kg/m<sup>3</sup> (HD)
- Top layer thickness / Wear layer: 3-5mm <sup>1)</sup> (SP/PP), 4mm (HD)
- Shrink/Swell: 0,14% per 1% change in Moisture Content (SP/PP)
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity (SP/PP)  
8% at 20°C and 50% rel. Air Humidity (SP/PP)
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (SP/PP),  
≥ 9,5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Formaldehyde emission: Class E1 (< 0,124 mg/m<sup>3</sup>, EN 717-1) / Class E0 (< 0,025 mg/m<sup>3</sup>) <sup>3)</sup>
- Use Class: Class 1 (EN 335)
- Glue: D3 water resistant
- Contribution LEED BD+C - v4: MR1, MR2, EQ2  
v2009: MR 6, IEQ 4.4 (if requested as E0)
- Contribution BREEAM: HEA 2, MAT 5 (HD)

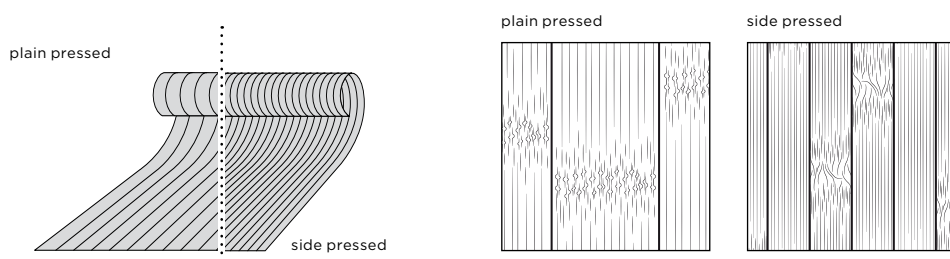
<sup>1)</sup> Depending on thickness version.

<sup>3)</sup> Available on request - E0 class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 class according to EN 717-1.

# veneer

MOSO bamboo veneer is a high quality veneer, developed and patented exclusively by MOSO (Patent nr. NL 1019971), which is created by slicing sheets from laminated blocks made from bamboo strips. To avoid cracks during handling, MOSO bamboo veneer is backed with a thin, but strong cellulose fleece. This facilitates easy pressing of the veneer sheets on a panel, which enables the use in multiple applications in the building and interior design industry.

MOSO bamboo veneer is available in various sizes, colours and styles and can be supplied with formaldehyde free adhesive (E0 norm) and FSC®-certification. MOSO bamboo veneer is mainly offered in A-selection (regular in colour) and can be processed with a minimum of cutting and selection waste.



PP: Plain Pressed, SP: Side Pressed  
\*) Also available with FSC® certification.

Natural	Caramel	Chocolate**	FSC*	Style	Thickness (mm)	Dimensions (mm)
BV-PPN100	BV-PPC150		-FP*	PP	0,6	2500x430
BV-PPN104	BV-PPC154			PP	0,6	2500x1250
BV-PPN138	BV-PPC188			PP	0,6	2710x430
BV-SPN100	BV-SPC150	BV-SPHT150	-FP*	SP	0,6	2500x430
BV-SPN104	BV-SPC154			SP	0,6	2500x1250
BV-SPN138	BV-SPC188			SP	0,6	2710x430
BV-SPN145	BV-SPC195			SP	0,6	3100x430
BV-SPN146	BV-SPC196			SP	0,6	3100x1250

## application

MOSO veneer normally is pressed, double sided, on panels (like chipboard, multiplex or MDF). The backing is a cellulose fleece which is bonded with D3 water-resistant PVAC glue. The cellulose backing can endure shortly temperatures above 220 degrees Celsius, for example when splicing the sheets. When pressed under high pressure and high temperature a considerable cooling time should be taken into account before stacking the cooled (max. 60°C) panels. To press the backed bamboo veneer MOSO advises to carry out a glue test first, to determine the exact pressing time, temperature and pressure. The standard thickness of the veneer is 0,6mm: 0,5mm bamboo and 0,1mm backing material. In case the veneer gets sanded, the end-thickness should be minimum 0,2mm.

## technical characteristics

- Density (Product): +/- 700 kg/m<sup>3</sup>
- Top layer thickness / Wear layer: 0,6mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity
- Resistance to Indentation - Brinell Hardness: depending on used substrate (EN 1534)
- Formaldehyde emission: Class E1 (< 0,124 mg/m<sup>3</sup>, EN 717-1) / Class E0 (< 0,025 mg/m<sup>3</sup>)<sup>3)</sup>
- Class E1 (< 0,100 ppm) / Class E0 (< 0,020 ppm)<sup>3)</sup> (ASTM E 1333-96)
- Use Class: Class 1 (EN 335)
- Glue: D3 water resistant
- Backing: Non woven cellulose fleece
- Contribution LEED BD+C - v4: MR1, MR2, EQ2, MR3 (FSC\*)
- v2009: MR 6, MR 7 (FSC\*), IEQ 4.4 (if requested as E0)
- Contribution BREEAM: HEA 2, MAT 3 (FSC\*)

<sup>3)</sup> Available on request - E0 class is an unofficial formaldehyde emission class, but it is commonly used to indicate that the product is produced with No Added Formaldehyde (NAF) glues. E0 products automatically qualify for the official E1 class according to EN 717-1.



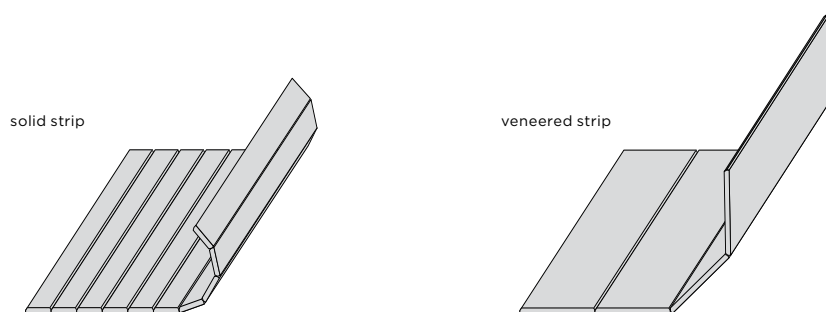
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breeam

# flexbamboo (rolls with fabric backing)

MOSO Flexbamboo is a flexible bamboo product often placed on a carrier (e.g. MDF) and mostly used as an aesthetical covering material on walls, ceilings, cabinets or furniture. Flexbamboo thus combines the virtues of bamboo (aesthetical, sustainable) with flexibility and ease of installation. The product is finished with a high quality UV cured oil (SAICOS®) and is available in 7 trendy colours. Flexbamboo is available in two different styles: solid strip and veneered strip.



**O**=Oiled Saicos, **SO**=Stained-oiled Saicos.

**(\*\*)** The last 2 positions of the product code represent the colour of the (SAICOS®) oil finish: 21=unfinished, 91=transparent, 92=Misty-White, 94=Walnut, 95=Silver-Grey, 96=Ebony, 97=Taupe-Grey, 98=Ivory.

Natural	Caramel	Style	Strip Size (mm)	Finish	Backing	Roll Dimensions (m)
MPNF3.5-204-**	MPCF3.5-204-**	Solid strip	2x3.5	- / O / SO	Fabric	2,04x45
MPNF3.5-244-21	MPCF3.5-244-21	Solid strip	2x3.5	-	Fabric	2,44x30
MPNF7-204-**	MPCF7-204-**	Solid strip	2x7	- / O / SO	Fabric	2,04x45
	MPCFA15-204-**	Solid strip	2x15	- / O / SO	Fabric	2,04x45
MPNF17-125-**	MPCF17-125-**	Solid strip	2x17	- / O / SO	Fabric	1,25x45
MPNF17-204-**	MPCF17-204-**	Solid strip	2x17	- / O / SO	Fabric	2,04x45
MPNF17-244-21	MPCF17-244-21	Solid strip	2x17	-	Fabric	2,44x30
	MZCF50-204-**HF	Veneered strip	4.2x50	- / O / SO	Fabric	2,04x15
	MZCF50-244-21HF	Veneered strip	4.2x50	-	Fabric	2,44x15

## application

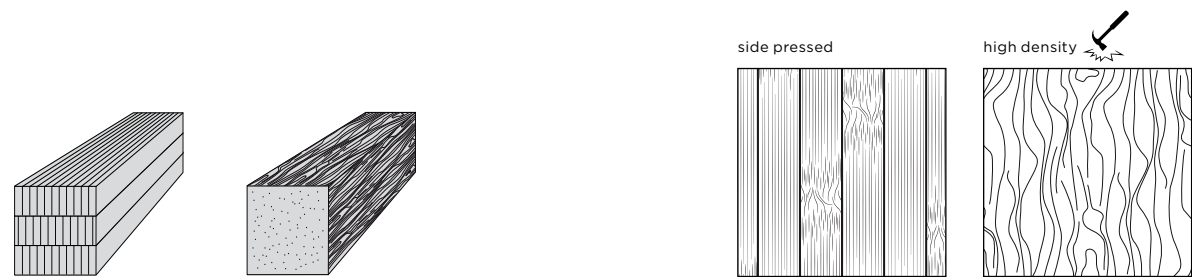
- Common carrier panels: MDF, chipboard, multiplex.
- Pressing: use a suitable glue (PVAC, cold pressed). Use a suitable material (for example veneer) to cover the other side of the panel, to prevent bending of the panel.

## technical characteristics

- Density (Product): +/- 700 kg/m<sup>3</sup>
- Top layer thickness / Wear layer: 2mm
- Shrink/Swell: 0,14% per 1% change in Moisture Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity
- Resistance to Indentation - Brinell Hardness: ≥ 3 kg/mm<sup>2</sup> (EN 1534)
- Formaldehyde emission: Class E1 (< 0,124 mg/m<sup>3</sup>) (EN 717-1)
- Use Class: Class 1 (EN 335)
- Glue: D3 water resistant
- Backing: Fabric
- Contribution LEED BD+C: v2009: MR 6
- Contribution BREEAM: HEA 2

# solid beam

With the introduction of the MOSO bamboo solid beam, bamboo can now also be applied in several (semi) structural applications such as window- and doorframes, where typically (expensive) scarce tropical hardwood is used. Unlike hardwood, the MOSO bamboo solid beam is a very regular material in terms of stability and structure (no knots, no resins coming out) and is therefore easy to process. The maximum length of the beam is 2440mm but by using finger joints any length can be created. The MOSO beams are available in the colours caramel and natural, in both the extra hard high density version (tropical hardwood look - random line pattern) and the side/plain pressed version (regular line pattern with bamboo nodes visible). Especially in the latter version, due to the construction in various layers, very beautiful line patterns come out after milling.



SP: Side Pressed, HD: High Density  
\*) Fine sawn

Natural	Caramel	Style	Construction (mm)	Dimensions (mm)
BL-200	BL-250	SP	3x18,3	2440x55x55
	BL-260-244	SP	5x20	2440x120x100
	BL-261-244	SP	6-20-20-20-6	2440x120x72
	BL-262-244	SP	3x20	2440x120x60
	BL-DT260-244*	HD	1x100	2440x120x100
	BL-DT261-244*	HD	1x72	2440x120x72
	BL-DT262-244*	HD	1x60	2440x120x60

Other dimensions available on request.

## technical characteristics

- Density (Product): +/- 700 kg/m<sup>3</sup> (SP), +/- 1050 kg/m<sup>3</sup> (HD)
- Shrink/Swell: 0,14% per 1% change in Moisture Content
- Equilibrium MC: 10% at 20°C and 65% rel. Air Humidity  
8% at 20°C and 50% rel. Air Humidity
- Resistance to Indentation - Brinell Hardness: ≥ 4 kg/mm<sup>2</sup> (EN 1534) (SP),  
≥ 9,5 kg/mm<sup>2</sup> (HD) (EN 1534)
- Formaldehyde emission: Class E1 (< 0,124 mg/m<sup>3</sup>) (EN 717-1)
- Use Class: Class 1 (EN 335)
- Glue: D3 water resistant
- Contribution LEED BD+C - v4: MR1, MR2  
v2009: MR 6
- Contribution BREEAM: HEA 2, MAT 1, MAT 5 (HD)







# about MOSO

MOSO International was founded in 1997 and, since then, has evolved to become the unchallenged European market leader in the development of innovative and sustainable bamboo products for interior and exterior applications, divided in four product groups.



- **MOSO Bamboo Flooring** Ten different flooring types with multiple variations in size, colour and style, thus providing dozens of different bamboo flooring possibilities for each market (ranging from domestic to professional).
- **MOSO Bamboo Beams, Panels & Veneer** Very broad assortment of bamboo panels, veneer and beams in various sizes, colours and styles, forming an ideal complement to the MOSO flooring range for a total solution in indoor decoration (walls, ceilings, furniture, doors, windows, etc).
- **MOSO Bamboo Outdoor** Patented heat treatment technology provides bamboo boards with great hardness and highest durability (class 1 in EN 350) for outdoor applications such as decking.
- **MOSO Unlimited Solutions** Unique customized bamboo solutions meeting exceptionally stringent requirements for industrial clients such as BMW (dashboard), Dell (computer casing) and Barajas Madrid International Airport by Richard Rogers (200.000 m<sup>2</sup> ceiling board)

## MOSO: World Leading in Bamboo

Through its experience, innovative attitude and world-wide network MOSO is recognised as the global A-brand in bamboo products. There is no other company worldwide with an equal – and still expanding - broad assortment in high quality bamboo products, permanently available from stock. either in Barcelona (office MOSO Europe), Hangzhou (office MOSO China) or at the main office near Amsterdam (MOSO International). Furthermore, MOSO works with several franchise companies and leading distributors worldwide to guarantee the availability of MOSO products in each region.

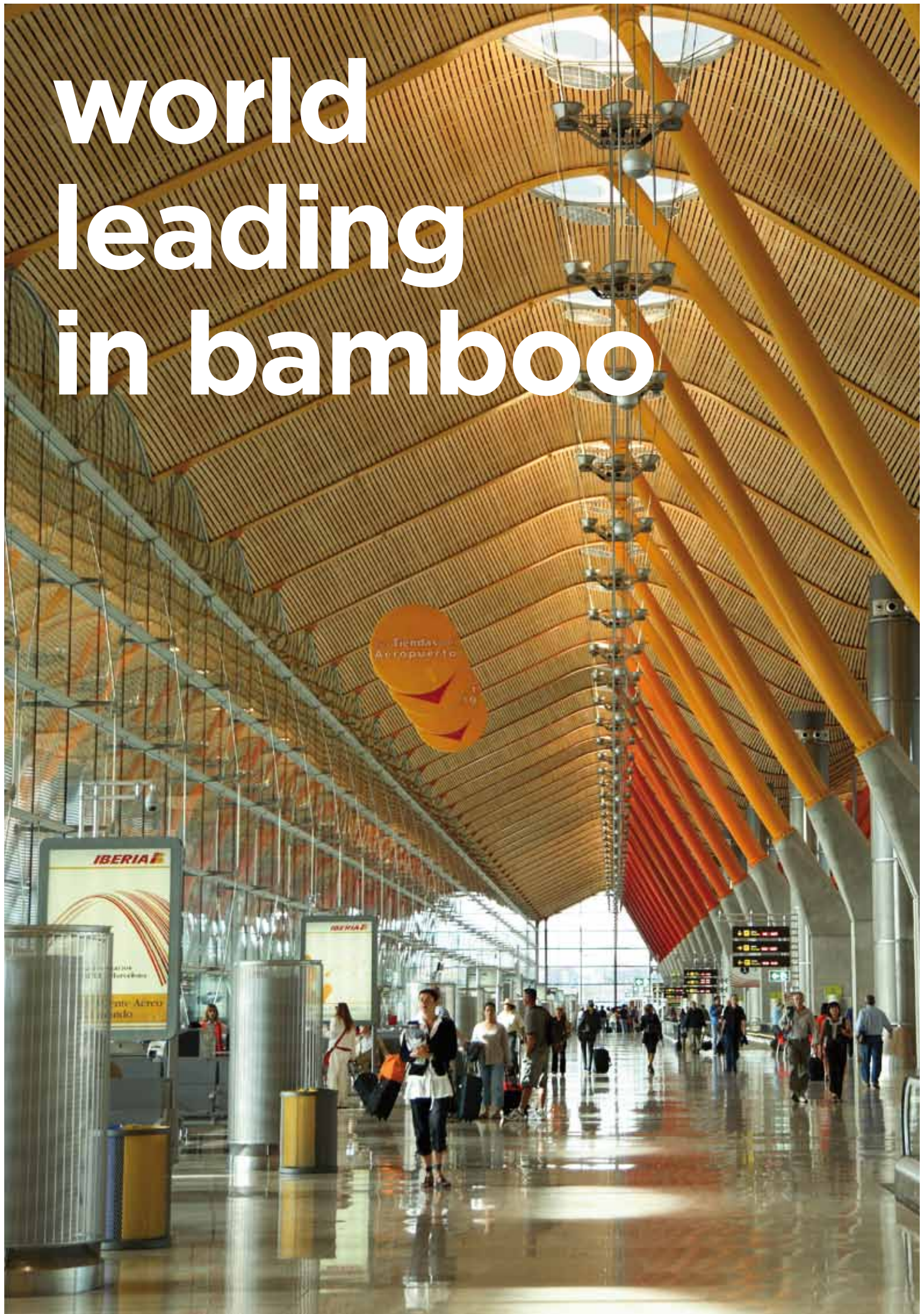
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# world leading in bamboo







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