

MOSO®

Bamboo

Solid & Supra

Collection

beautiful and
sustainable
solutions





**bamboo:
the fastest
growing plant
in the world**



MOSO® bamboo solid & supra collection

With MOSO® Bamboo Panels, Beams, Veneer and Flexbamboo, you can create a **beautiful interior** made of naturally-grown bamboo. Our Bamboo Solid and Supra Collections offer **multiple solutions** for your interior projects, such as: **furniture, worktops, window and door frames, kitchens, doors, stairs or wall and ceiling coverings**. Be inspired and introduce **bamboo** to your **interior**!

6 **beautiful**



8 **durable & stable**



10 **versatile**



12 **well made**



14 **solid collection**



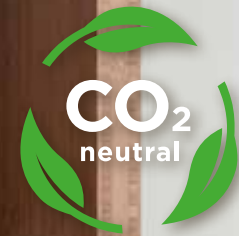
20 **supra collection**



28 **custom made**



30 **sustainable**





beautiful

Enrich your interior project with MOSO® Panels, Beams, Veneer and Flexbamboo. Whether you desire a decorative or structural solution, there are numerous possibilities for each application. Similar to wood, the final look can be determined with many different finishes.



durable & stable

Thanks to the composition of individual bamboo strips and the positioning and direction of each layer in multiply products, MOSO® Bamboo Panels and Beams will shrink and swell less than most solid wood species, providing more stability. With a hardness and density similar to or better than the best hardwood products, they are even suitable for use in heavy duty applications. MOSO® Bamboo Products are engineered to last a lifetime.

► www.moso.eu/durable



4

LIAG Architecten



Lior Teitler



5

Architecture Studio



Antoine Duhamel



For more information about these references please go to page 32.

versatile

MOSO® Bamboo Panels, Beams, Veneer and Flexbamboo are available in different colours and textures, and in various sizes. Depending on the finish or surface treatment, you can define your own style, just choose the one you like most! MOSO® Bamboo Products can be used for custom made furniture, worktops, window and door frames, kitchens, doors, stairs, wall and ceiling coverings and many more applications.



6

Powerhouse Company



Hans Gorter Fotografie

For more information
about these references
please go to page 32.



7

Mats Holst



well made

Moso bamboo is one of the fastest growing plants on earth. The bamboo stems grow from an underground root system. After 5 years a stem can be harvested, while the younger stems continue to mature. Each year new stems sprout from the root system. This means that the bamboo can be used without destroying the forest. After harvesting, the Moso bamboo stems are split and the inner and outer skin are removed. The strips naturally have a light yellow colour (natural), but can be steamed to obtain a light brown caramel colour. After treating and drying, the strips are ready to be processed in several ways to make the final product:



assembly of strips:



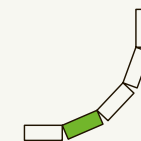
Plain Pressed

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



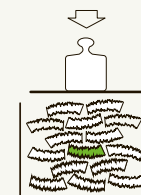
Side Pressed

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



Flexible

Strips are bonded to a flexible backing, creating a wide line pattern with the characteristic bamboo nodes clearly visible.



High Density*

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

the benefits



hard & durable

With a hardness and density similar or better to the best hardwood products, MOSO® Bamboo Panels, Beams and Veneer are even suitable for use in heavy duty applications. All products are Brinell >4 kg/mm². High Density® is exceptionally hard: Brinell >9.5 kg/mm².



high stability

Due to the composition of individual strips and multiple cross pressed layers, MOSO® Bamboo Panels and Beams will shrink and swell less than solid wood species, providing more stability.



multiple solutions

MOSO® Bamboo Products offer multiple solutions for worktops, furniture, window and door frames, kitchens, doors, stairs, wall and ceiling coverings, and many more indoor applications.



CO₂ neutral

Official LCA and carbon footprint studies (ISO 14040/44) confirm that solid MOSO® Bamboo Products are CO₂ neutral over the full life cycle.



healthy

The MOSO® Bamboo Panels, Beams and Veneer have low formaldehyde emissions meeting the E1 Class (EN 717-1) or EO Class.



beautiful appearance

Creates a beautiful, natural look. Final appearance can be determined with many different finishes.



endless resource

Made from Moso bamboo, one of the fastest growing plants on earth. Each stem can be harvested after 5 years, and the plant continues to grow.



fireproof

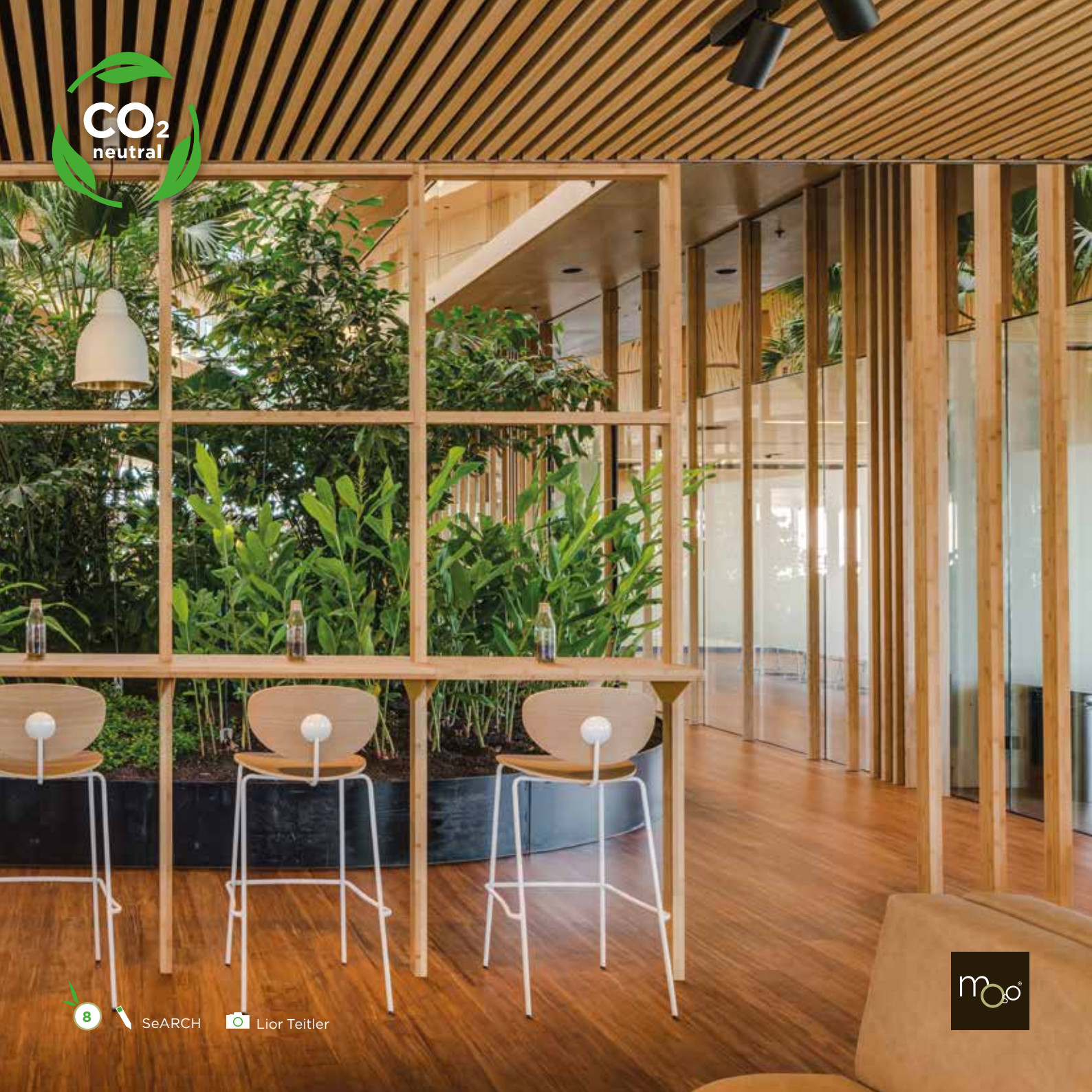
Bamboo High Density® as material has a fire resistance class B-s1-d0, following EN 13501-1 facilitating application in public projects.



super flexible*

The intrinsic flexibility of bamboo as a material, combined with lamination techniques provide a unique material with very interesting design opportunities such as curved forms.

*) only for MOSO® Veneer / Flexbamboo



MOSO® Solid Collection

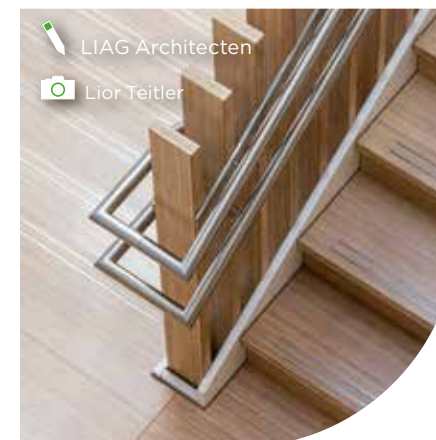
MOSO® offers a very **broad assortment** of solid bamboo panels and beams in **various sizes, thicknesses, colours** and **textures**. These products have been used worldwide in various applications, including **door and window frames, stairs, curtain walls, furniture, kitchens** and **doors**.

MOSO® bamboo
solid panels
multilayer boards

The line pattern combined with a natural look creates numerous design possibilities.

MOSO® bamboo
solid beams
decorative & structural

Tested for structural applications. With a striking look for decorative applications.



LIAG Architecten
Lior Teitler



Landmark Vastgoed
Robbert Vöglander



multiple layers of solid bamboo

With imagination and creativity, many design solutions benefit from the beautiful look of MOSO® Bamboo Solid Panels. The toplayer defines the wear resistance and hardness, which can last a lifetime.

7 mm
Side Pressed
Natural / Caramel
3-ply
2440 x 1220 mm



16 mm
Plain / Side Pressed
Natural / Caramel
3-ply
2440 x 1220 mm



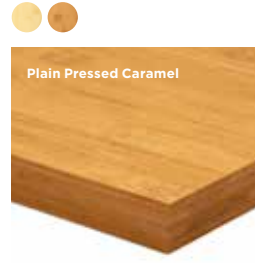
19 mm
Side Pressed
Natural / Caramel
1-ply
2440 x 1220 mm



20 mm
Plain / Side Pressed
High Density*
Natural / Caramel / Tiger+
3-ply
2440 x 1220 mm



20 mm
Plain Pressed
Natural / Caramel
5-ply
2440 x 1220 mm



25 mm
Plain / Side Pressed
Natural / Caramel
3-ply
2440 x 1220 mm



30 mm
Plain / Side Pressed
Natural / Caramel
3-ply
2440 x 1220 mm



38 mm
High Density*
Natural / Caramel
5-ply
2440 x 1220 mm



38 mm
High Density*
Caramel
5-ply
3100 / 4000 x 700 mm



40 mm
Plain / Side Pressed
Natural / Caramel
5-ply
2440 x 1220 mm

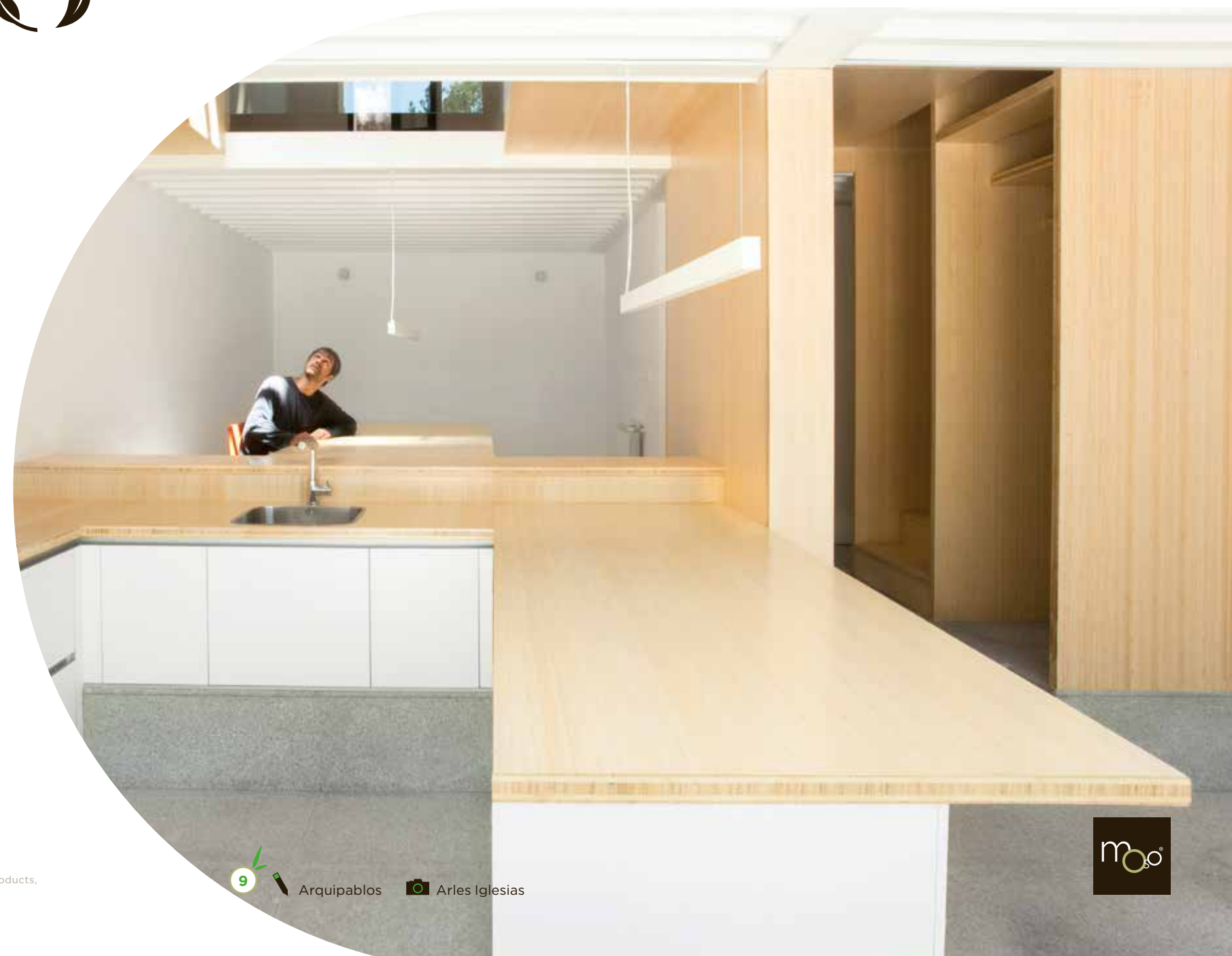


40 mm
Plain / Side Pressed
Natural / Caramel
5-ply
3000 x 700 mm



* Mix of natural and caramel strips.

For details about technical properties of all products, please refer to pages 35-36.





decorative and structural applications

The high stability of MOSO® Bamboo Solid Beams allows for creative use in both decorative and structural applications. The beams are available in various dimensions, and are easy to process for specific requirements. Custom made beams can be requested for your projects.



55 mm
Side Pressed
Natural / Caramel
3-ply
2440 x 55 mm



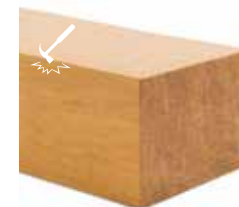
Side Pressed Natural

72 mm
Side Pressed
Caramel
5-ply
2440 x 120 mm



Side Pressed Caramel

72 mm
High Density*
Natural / Caramel
1-ply
2440 x 120 mm



High Density* Natural

100 mm
Side Pressed / High Density*
Caramel
5-ply / 1-ply
2440 x 120 mm



High Density* Caramel

For details about technical properties of all products, please refer to pages 35-36.





MOSO® Supra Collection

The MOSO® Bamboo 1-Ply Panels, Veneer and Flexbamboo offer **multiple solutions** for a decorative and sustainable bamboo **interior, furniture applications** and **wall and ceiling coverings** in **various sizes, thickness, colours** and **textures**.

MOSO® bamboo 1-ply panels

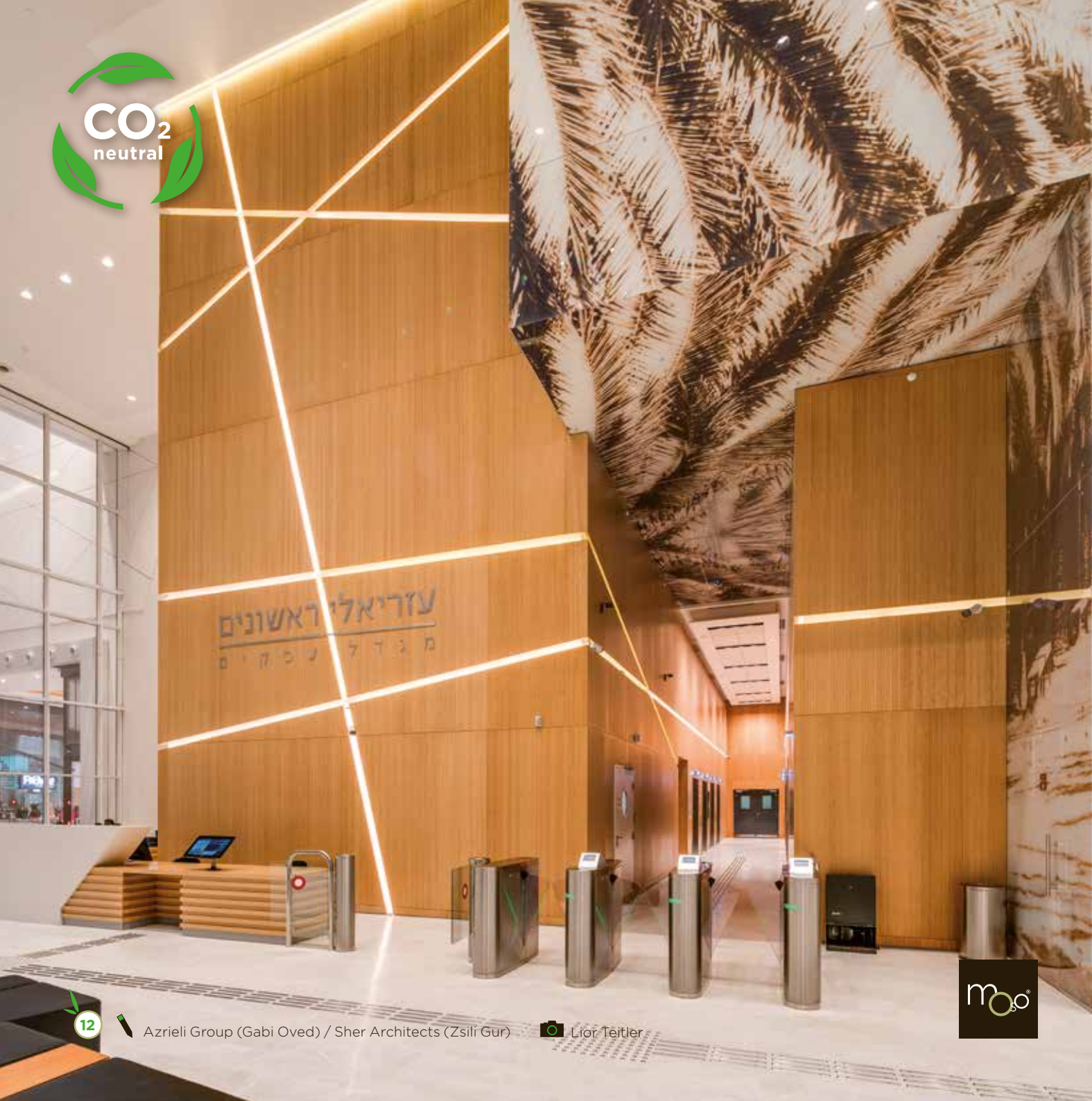
Ready to be pressed on the material required for your project.

MOSO® bamboo veneer

Veneer sheets can be pressed onto many materials or laminated for creative design solutions.

MOSO® flexbamboo

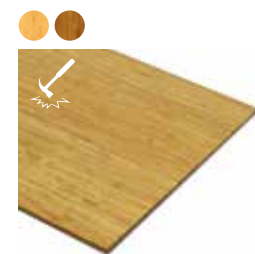
A flexible bamboo product consisting of plain bamboo strips connected with a fabric backing.



decorative panelling solution

MOSO® 1-Ply Panels consist of one single bamboo layer and are mainly used as a panel covering material. The bamboo product is pressed, preferably double sided, onto a base (for example MDF or chipboard).

**4 mm
High Density*
Natural / Caramel**
1-ply
2440 x 1220 mm



High Density* Natural

**4 mm
High Density*
Tiger***
1-ply
2440 x 1220 mm



High Density* Tiger

**5 mm
Plain / Side Pressed
Natural / Caramel**
1-ply
2440 x 1220 mm



Side Pressed Caramel



MOSO® supra collection

► www.moso.eu/1-ply-panels



* Mix of natural and caramel strips.

For details about technical properties of all products, please refer to pages 35-36.

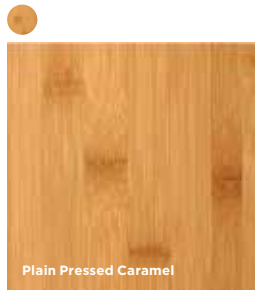


thin, versatile and decorative layer

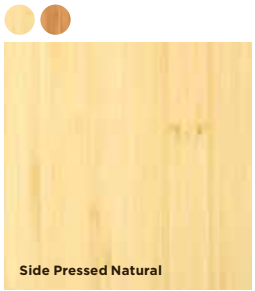
MOSO® Bamboo Veneer is created by slicing sheets from laminated blocks made from bamboo strips. The high quality bamboo veneer has to be pressed, preferably double sided, onto a base material or several layers of veneer can be pressed into a multiply product.



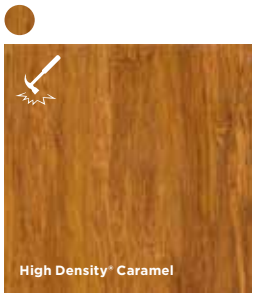
0.6 mm
Plain Pressed
Caramel
2500 x 430 / 1250 mm



0.6 mm
Side Pressed
Natural / Caramel
2500 x 430 / 1250 mm, 2710 x 430 mm
3100 x 430 / 1250 mm



0.5 mm
High Density*
Caramel
2500 x 1250 mm



For details about technical properties of all products, please refer to pages 35-36.



flexible bamboo covering material

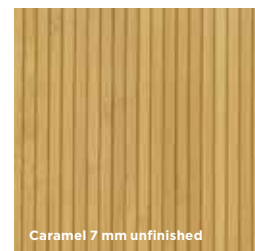
MOSO® Flexbamboo is a flexible bamboo product consisting of plain bamboo strips connected with a fabric backing. The product is ready to be placed on a carrier (e.g. MDF) to be used as an aesthetic covering material onto walls, ceilings, cabinets or furniture. All Flexbamboo rolls can be delivered with a high quality LED hardwax oil finish. MOSO® Flexbamboo is available in rolls and sheets.



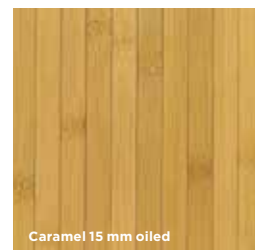
**2 mm
solid strip 7 / 15 mm
Natural**
unfinished or oiled
roll 45 x 2.44 m



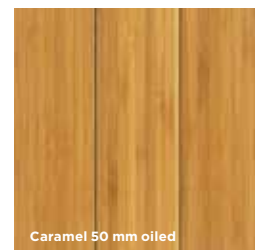
**2 mm
solid strip 7 / 15 mm
Caramel / Misty White /
Walnut / Silver Grey / Ebony**
unfinished, oiled or stain-oiled
roll 45 x 2.04/2.44 m



**2 mm
solid strip 7 / 15 mm
Caramel**
unfinished
sheet 1.25 x 2.44 / 2 x 3 m



**4 mm
veneered strip 50 mm
Natural / Caramel /
Misty White / Walnut /
Silver Grey / Ebony**
unfinished, oiled or stain-oiled
roll 15 x 2.04 / 2.42 m



For details about technical
properties of all products,
please refer to pages 35-36.



Madrid International Airport with 200.000 m² bamboo ceiling

MOSO® custom made

One of **MOSO's strengths** is to translate **specific market** needs into bamboo products. Together with **various clients**, MOSO has co-created **unique bamboo solutions** for different industries, including green building industry, automotive, furniture and kitchen industry, consumer goods, and livestock stables.

Madrid Airport

ceiling board

"The ceiling consists of 100 mm wide planks of multi-layer MOSO® Bamboo Veneer. The visual qualities of this material imbue T4 with its very special character. Bamboo has the added benefit of being very sustainable."

Simon Smithson, lead architect of International Airport Madrid, partner at Rogers Stirk Harbour + Partners

REINÆRDT

doors

"With the MOSO® bamboo framework in the doors, we can offer our customers not only a significantly better CO₂ balance, but also better quality thanks to increased stability and thus a long life expectancy."

*Robert Haven
purchase manager REINÆRDT*

Doitrand Equestre

horse stable

"Quality, solidity and aesthetics are the three words that best describe MOSO® Bamboo Boards. Thanks to MOSO, we are sure to provide our customers an elegant and durable stable."

*Nicolas Doitrand
owner Doitrand Equestre*



sustainable

MOSO® Bamboo Products offer clear sustainability advantages and are even proven to be CO₂ neutral over the full life cycle! The inclusion of MOSO® Bamboo Products contributes to a higher LEED, BREEAM or Green Star certification score for green building projects. That's one of the reasons why you can find MOSO® Products in many sustainable reference projects all over the world.

► www.moso.eu/certifications



19

Zaha Hadid Architects

AndreVisual



20

GROUP A

Frank Hanswijk

breeam
★★★★★
excellent

21

IDOM - Javier Perez

Aitor Ortiz



22

Hidde & Peeperkorn

Peter de Ruig

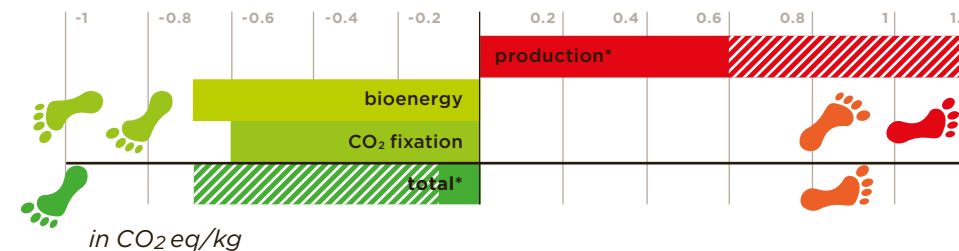


For more information
about these references
please go to page 32.

carbon footprint

MOSO® Bamboo Products: CO₂ neutral or better over full life cycle

MOSO® has conducted an LCA and carbon footprint study together with Delft University of Technology (TU Delft) and INBAR. The report (www.moso.eu/lca) concludes that all assessed MOSO® products (all solid bamboo flooring, decking, beams, panels and veneer) are CO₂ negative over the full life cycle ("cradle till grave"). In this result the high growing speed of Moso bamboo (see graph below) has not even been taken into account, and can be perceived as additional environmental benefit. The environmental impact of MOSO® products, excluding carbon sequestration effect, was also published in an official Environmental Product Declaration (EPD) following EN 15804 (www.moso.eu/epd).

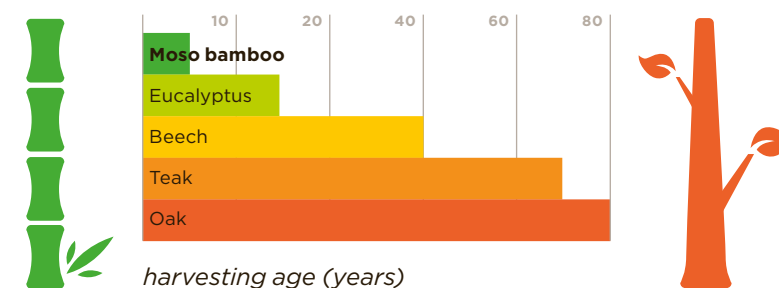


* result depending on MOSO® product assessed.

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 5 year old stems – compared to 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 CO₂ are captured in the bamboo forests and products (www.inbar.int/understanding-bamboos-climate-change-potential).



mo

more information about inside references:

- 1

Apartment Madrid Center
▶ www.moso.eu/madrid
- 2

Hotel Jakarta Amsterdam
▶ www.moso.eu/jakarta
- 3

Lexus Lounge at Brussels Airport
▶ www.moso.eu/lexus
- 4

Princes Máxima Center
▶ www.moso.eu/maxima
- 5

Headquarter Caisse d'Épargne
▶ www.moso.eu/caisse
- 6

Headquarter ASICS EMEA
▶ www.moso.eu/asics
- 7

Private Residence Asker
▶ www.moso.eu/asker
- 8

Hotel Jakarta Amsterdam
▶ www.moso.eu/jakarta
- 9

Private Residence Cercedilla
▶ www.moso.eu/cercedilla
- 10

Thames Tower London
▶ www.moso.eu/thames-tower
- 11

Office Van Oord
▶ www.moso.eu/van-oord
- 12

Office Rishonim
▶ www.moso.eu/rishonim
- 13

STC Campus Waalhaven
▶ www.moso.eu/waalhaven
- 14

Office Docks Brussels
▶ www.moso.eu/docks
- 15

Guggenheim Museum Bilbao
▶ www.moso.eu/guggenheim
- 16

Minima Lighting Cape Town
▶ www.moso.eu/minima
- 17

Midwives Clinic "Groeï" Amsterdam
▶ www.moso.eu/groeï
- 18

Office Dagslys AS Oslo
▶ www.moso.eu/dagslys
- 19

CityLife Shopping District Milan
▶ www.moso.eu/citylife
- 20

AkzoNobel Center & Art Space
▶ www.moso.eu/akzonobel
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IDOM Head Office Bilbao
▶ www.moso.eu/idom
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Fugro TechCenter building
▶ www.moso.eu/fugro

University Amsterdam
The Netherlands



Office FAO United Nations
Roma Italy



get inspired

Head Office Inbisa Barcelona
Spain



Hotel ZOKU Amsterdam
The Netherlands



BMW dashboard
Worlwide



Bamboo Chair
The Netherlands



Longwave - landsurfing
boards Poland



Hotel Hyatt Palace
The Netherlands



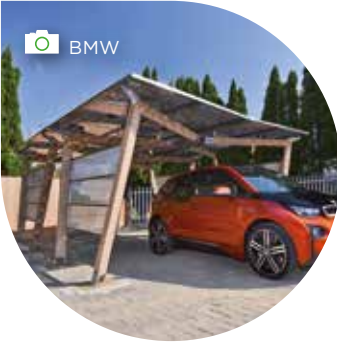
Head Office Südwestmetall
Germany



AkzoNobel Center & Art
Space The Netherlands



BMW Solar Carport
South Africa



Private Residence
Argentina



Office Jumbo
The Netherlands



Schiphol Airport
The Netherlands



Belmond Safaris Savute
Elephant Lodge Botswana



SNCF - Railway Station
Bordeaux France



MOSO® world leading
in bamboo
www.moso.eu/references



about MOSO

MOSO International was founded in the Netherlands in 1997. Since then, MOSO® is leading in the development of innovative and sustainable bamboo products for interior and exterior applications and became **market leader in Europe**.

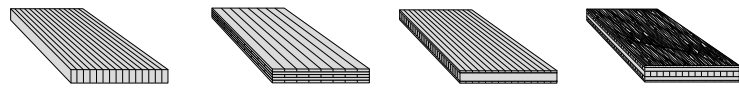
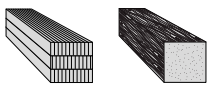
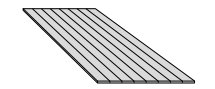
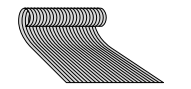

There is no other company worldwide with an equally – and still expanding - **broad assortment in high quality** bamboo products. MOSO's head office, with the **biggest bamboo warehouse** in Europe, is located near Amsterdam. Furthermore, MOSO® has offices in Barcelona, Milan, Cape Town, Pennsauken (USA), Dubai and Hangzhou (China). MOSO® works with several partner companies and leading distributors worldwide to **guarantee the availability** of MOSO® products in each region.

Besides MOSO® Bamboo Panels, Beams, Veneer and Flexbamboo, MOSO offers a very broad assortment of **Bamboo Flooring** and **Bamboo Outdoor** products in various sizes, thicknesses, colours and textures. These products are used worldwide in various applications ranging from different types of flooring, stairs, outdoor decking, cladding, fencing, outdoor furniture, shutters and outdoor beams, providing an ideal combination with the MOSO® Solid and Supra Collections.

Furthermore, because of its expertise, MOSO® 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® is recognised as the **global A-brand** in bamboo products. The proof is the impressive list of references and clients such as Madrid Airport, BMW, AkzoNobel, Texaco, Guggenheim Museum, Rabobank, United Nations (FAO), and CitizenM Hotels. For an overview of our references and clients please visit our website: www.moso.eu/references.

www.moso.eu/moso



MOSO® Bamboo Panels, Beams, Veneer & Flexbamboo																										
Solid Collection												Supra Collection														
Solid Panels												Solid Beams			1-Ply Panels		Veneer					Flexbamboo				
																										
																						roll		sheet		
Dimensions (mm)																										
Thickness	7	16	19	20	20	25	30	38	38	40	40	55	72	100	4	5	0.6	0.6	0.6	0.6	0.5	2	2	4		
Length	2440	2440	2440	2440	2440	2440	2440	2440	3100/4000	2440	3000	2440	2440	2440	2440	2440	2500	2500	2710	3100	2500	45000	1250/3000	15000		
Width	1220	1220	1220	1220	1220	1220	1220	1220	700	1220	700	55	120	120	1220	1220	430	1250	430	430 / 1250	1250	2040/2440	2440/2000	2040/2440		
Strip width																						7/15		7/15	50	
Style																										
Plain Pressed (PP)	-	•	-	•	•	•	•	-	-	•	•	-	-	-	-	•	•	-	-	-						
Side Pressed (SP)	•	•	•	•	-	•	•	-	-	•	•	•	•	•	-	•	•	•	•	-						
High Density® (HD)	-	-	-	•	-	-	-	•	•	-	-	-	•	•	•	-	-	-	-	•						
Colours																										
Natural	•	•	•	•	•	•	•	•	-	•	•	•	-	-	•	•	• ²⁾	• ²⁾	-	• ²⁾	-	• ⁴⁾	-	•		
Caramel	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Tiger	-	-	-	• ²⁾	-	-	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-	-	-	-		
Finish																										
Unfinished	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Oiled																								• ⁵⁾	-	• ⁵⁾
Construction (mm)																										
Layer 1	2	3.5	19	4	4	4	5	3	3	4	4	18.3	6 (HD: 72)	20 (HD: 100)	4	5										
Layer 2	3	9		12	4	17	20	6	6	8	6	18.3	20	20												
Layer 3	2	3.5		4	4	4	5	20	20	16	20	18.3	20	20												
Layer 4					4			6	6	8	6		20	20												
Layer 5					4			3	3	4	4		6	20												
Properties & certification																										
Hardness (Brinell kg/mm²)	>4	>4	>4	>4 (HD:>9.5)	>4	>4	>4	>9.5	>9.5	>4	>4	>4	>4 (HD:>9.5)	>4 (HD:>9.5)	>9.5	>4	- 3)	- 3)	- 3)	- 3)	- 3)	>3	>3	>3		
CO2 neutral	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	n.d.	n.d.	n.d.			

HD = High Density*
n.d. = not determined

All products* are available with FSC® certification on request.



The mark of responsible forestry
FSC® C002063

MOSO® Bamboo Solid Panel 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.

¹⁾ Tiger: Mix of natural and caramel strips, only available in High Density*.

MOSO® Bamboo Solid Beam may be used in numerous 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.

Other dimensions are available on request.

MOSO® Bamboo 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".

MOSO® Bamboo Veneer is a high quality veneer, which is created by slicing sheets from laminated blocks made from bamboo strips. To avoid cracks during handling, MOSO veneer is backed with a thin, but strong cellulose fleece. This facilitates easy pressing of the veneer sheets on a panel.

²⁾ Only available in Side Pressed.

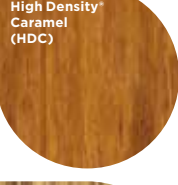
³⁾ The hardness of veneer dependent on the substrate used.

MOSO® Flexbamboo is a flexible bamboo product often placed on a carrier (e.g. MDF) and used as an aesthetical covering material on walls, ceilings, or furniture. All Flexbamboo rolls can be delivered with a high quality LED hardwax oil finish.

⁴⁾ Only available in 2440 mm width.

⁵⁾ There are 4 additional colours available: 92=Misty-White, 94=Walnut, 95=Silver-Grey, 96=Ebony.

*) Flexbamboo not available with FSC® certification.





MOSO: leading in the development of innovative and sustainable bamboo products

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