

MOSO[®] Bamboo Solid & Supra Collection

*Beautiful and
sustainable solutions*



m_os_o[®]

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



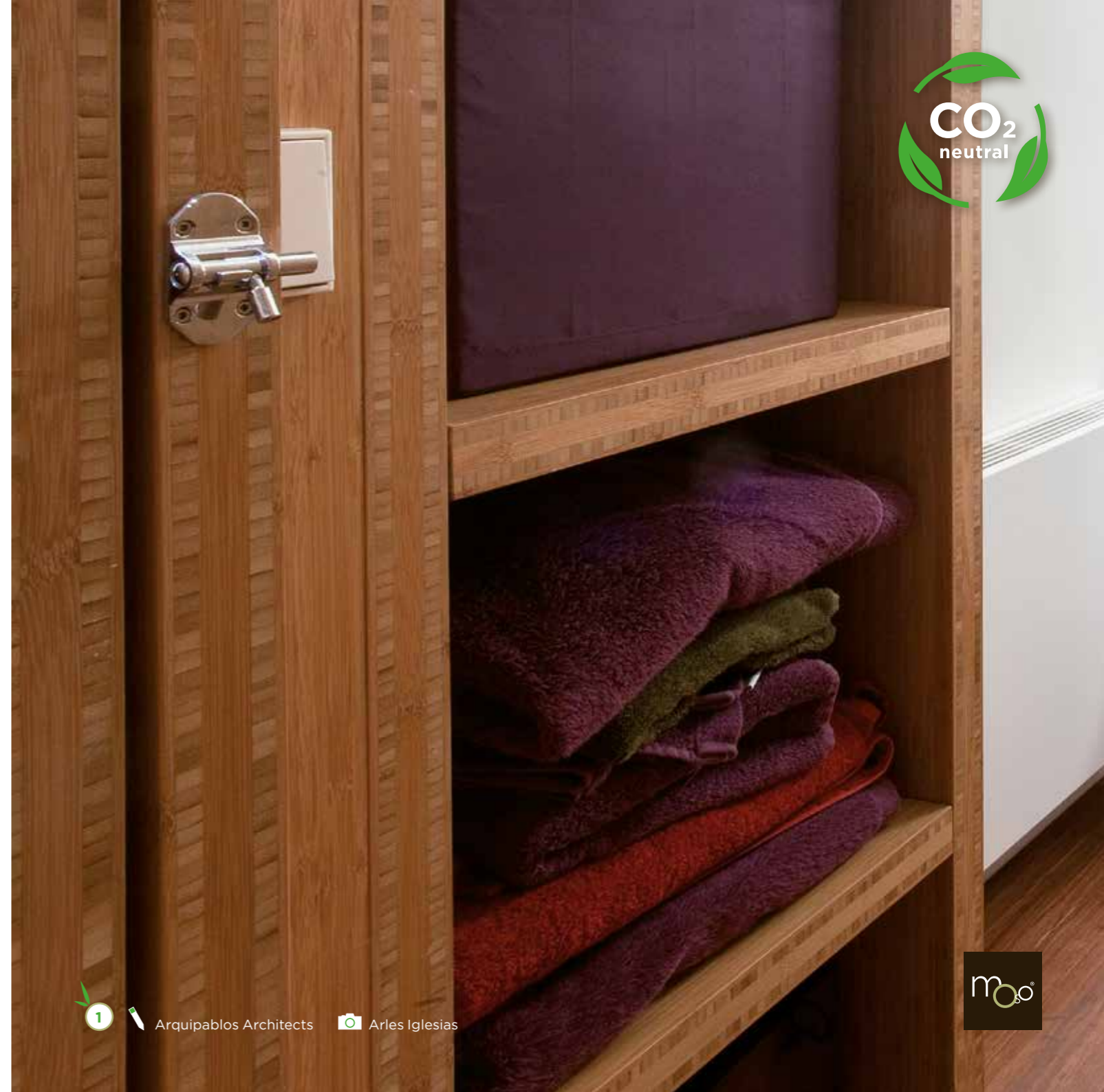
20 supra collection



28 custom made



30 sustainable





beautiful ⁷

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-bamboo.com/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.



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 grow. 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 colour (caramel). After treating and drying, the strips are ready to be processed in several ways to make the final product:



assembly of strips:



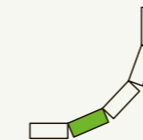
Plain Pressed

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



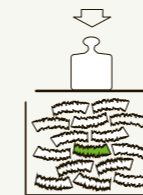
Side Pressed

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 into strands, 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.



fireproof

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



endless resource

Made from bamboo, one of the fastest growing plants on earth. Each stem can be harvested after 4-5 years, and the plant continues to grow.



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.



healthy

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



CO₂ neutral

Official LCA and carbon footprint studies (EN 15804) confirm that MOSO® Bamboo X-treme® is CO₂ neutral during the product lifespan*.

*) This includes the CO₂ (biogenic carbon - EN 16449) stored in the product.



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.



beautiful appearance

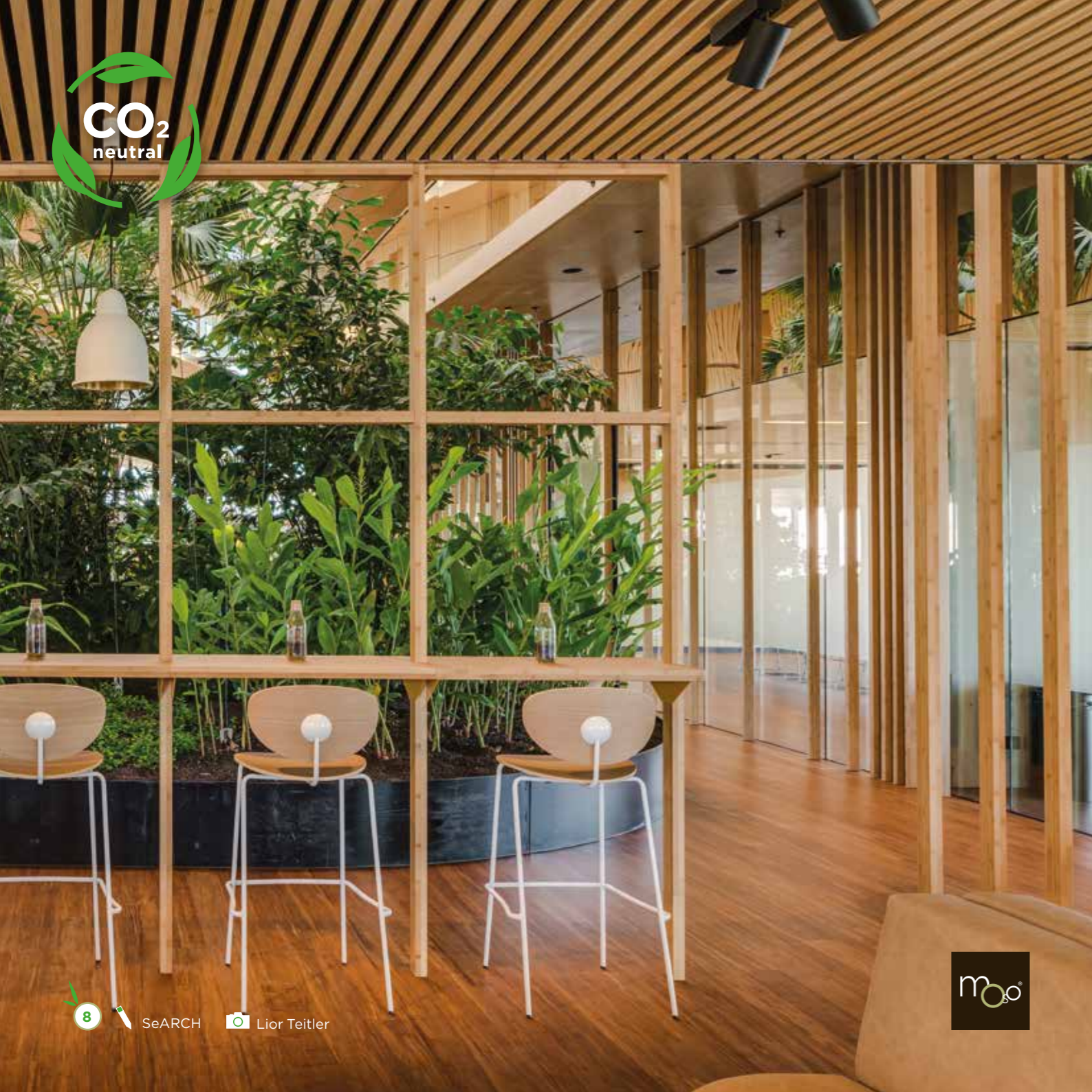
Creates a beautiful, natural look. Final appearance can be determined with many different finishes.



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 Vögtländer





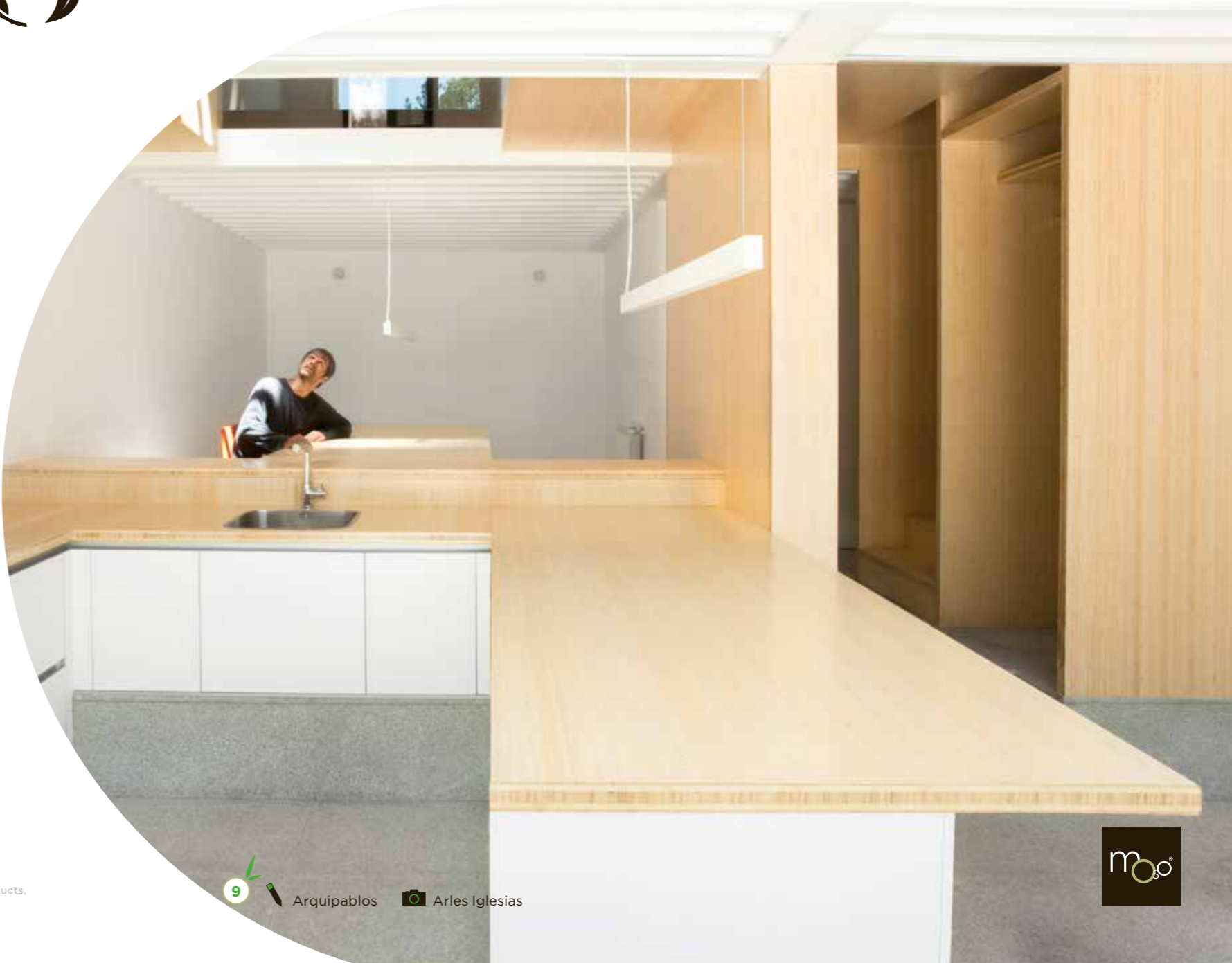
multiple layers of solid bamboo

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.

<p>7 mm Side Pressed Natural / Caramel 3-ply 2440 x 1220 mm</p>	<p>16 mm Plain / Side Pressed Natural / Caramel 3-ply 2440 x 1220 mm</p>	<p>19 mm Side Pressed Natural / Caramel 1-ply 2440 x 1220 mm</p>	<p>20 mm Plain / Side Pressed High Density* Natural / Caramel / Tiger* 3-ply 2440 x 1220 mm</p>
<p>Side Pressed Natural</p>	<p>Plain Pressed Caramel</p>	<p>Side Pressed Natural</p>	<p>High Density* Tiger</p>
<p>20 mm Plain Pressed Natural / Caramel 5-ply 2440 x 1220 mm</p>	<p>25 mm Plain / Side Pressed Natural / Caramel 3-ply 2440 x 1220 mm</p>	<p>30 mm Plain / Side Pressed Natural / Caramel 3-ply 2440 x 1220 mm</p>	<p>38 mm High Density* Natural / Caramel 5-ply 2440 x 1220 mm</p>
<p>Plain Pressed Caramel</p>	<p>Side Pressed Natural</p>	<p>Plain Pressed Caramel</p>	<p>High Density* Natural</p>
<p>38 mm High Density* Caramel 5-ply 3100 / 4000 x 700 mm</p>	<p>40 mm Plain / Side Pressed Natural / Caramel 5-ply 2440 x 1220 mm</p>	<p>40 mm Plain / Side Pressed Natural / Caramel 5-ply 3000 x 700 mm</p>	
<p>High Density* Caramel</p>	<p>Plain Pressed Natural</p>	<p>Side Pressed Caramel</p>	

* Mix of natural and caramel strips.

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





MOSO® bamboo solid beams

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



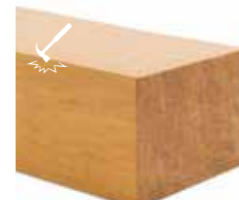
Side Pressed Natural

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.



22 **MOSO® bamboo** 1-ply panels

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-bamboo.com/1-ply-panels



* Mix of natural and caramel strips.

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





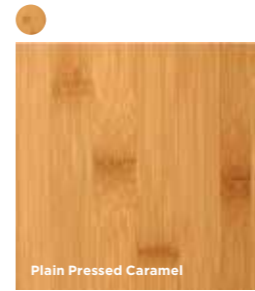
MOSO® bamboo veneer

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.



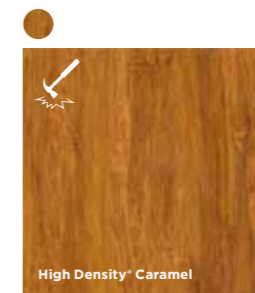
0.6 mm Plain Pressed Caramel
2500 x 430 / 1250 mm



0.6 mm Side Pressed Ecrú / Caramel
2500 x 430 / 1250 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.

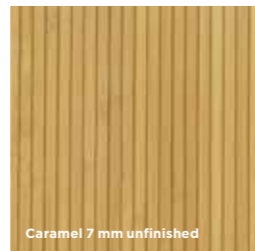


2 mm solid strip 7 / 15 mm Natural
unfinished or oiled
roll 45 x 2.44 m



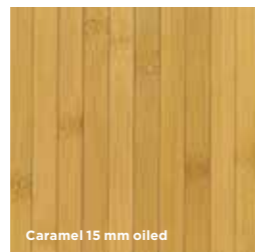
Natural 7 mm unfinished

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



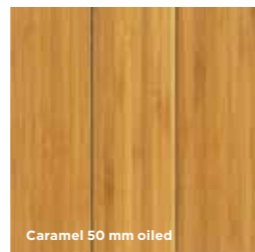
Caramel 7 mm unfinished

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



Caramel 15 mm oiled

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



Caramel 50 mm oiled



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 during the product lifespan! The inclusion of MOSO® Bamboo Products contributes to a higher LEED, BREEAM, Green Star, HQE and DGNB certification score for green building projects. That's one of the reasons why you can find MOSO® Products in many sustainable reference projects all over the world.

► www.moso-bamboo.com/certifications



19 Zaha Hadid Architects AndreVisual

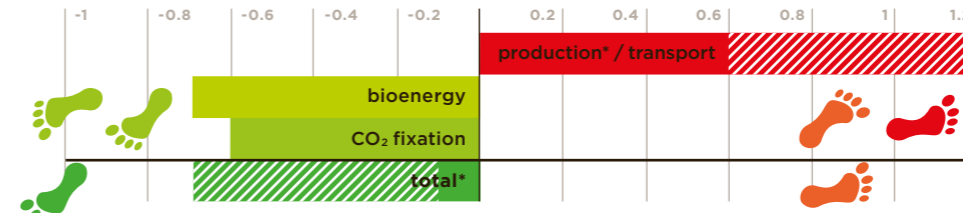


For more information about these references please go to page 32.

carbon footprint

MOSO® Bamboo Products: CO₂ neutral during the product lifespan

MOSO® has conducted an LCA and carbon footprint study together with Delft University of Technology (TU Delft) and INBAR. The report (www.moso-bamboo.com/lca) concludes that all assessed MOSO® Products (all solid bamboo flooring, decking, beams, panels and veneer) are CO₂ negative during the product lifespan ("cradle till grave"). In this result the high growth rate of Moso bamboo 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-bamboo.com/epd).

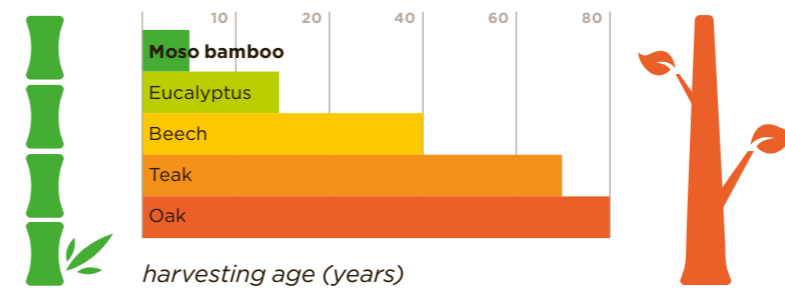


in CO₂ eq/kg
* result depending on MOSO® product assessed.

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 4-5 year old stems – compared to 60-80 years for tropical hardwood! - provides a steady annual income to farmers and stimulates the bamboo plant to reproduce even faster. Therefore, by default no deforestation occurs with production of MOSO® Bamboo Products, while large amounts of CO₂ are captured in the bamboo forests and products (www.inbar.int/understanding-bamboos-climate-change-potential).



more information about inside references:

- 1 Apartment Madrid Center
▶ www.moso-bamboo.com/madrid
- 2 Hotel Jakarta Amsterdam
▶ www.moso-bamboo.com/jakarta
- 3 Lexus Lounge at Brussels Airport
▶ www.moso-bamboo.com/lexus
- 4 Princes Máxima Center
▶ www.moso-bamboo.com/maxima
- 5 Headquarter Caisse d'Épargne
▶ www.moso-bamboo.com/caisse
- 6 Headquarter ASICS EMEA
▶ www.moso-bamboo.com/asics
- 7 Private Residence Asker
▶ www.moso-bamboo.com/asker
- 8 Hotel Jakarta Amsterdam
▶ www.moso-bamboo.com/jakarta
- 9 Private Residence Cercedilla
▶ www.moso-bamboo.com/cercedilla
- 10 Thames Tower London
▶ www.moso-bamboo.com/thames
- 11 Office Van Oord
▶ www.moso-bamboo.com/van-oord
- 12 Office Rishonim
▶ www.moso-bamboo.com/rishonim
- 13 STC Campus Waalhaven
▶ www.moso-bamboo.com/waalhaven
- 14 Office Docks Brussels
▶ www.moso-bamboo.com/docks
- 15 Bridge Pont d'Issy Orange Head Office
▶ www.moso-bamboo.com/bridge-pont
- 16 Minima Lighting Cape Town
▶ www.moso-bamboo.com/minima
- 17 Midwives Clinic "Groei" Amsterdam
▶ www.moso-bamboo.com/groei
- 18 Office Dagslys AS Oslo
▶ www.moso-bamboo.com/dagslys
- 19 CityLife Shopping District Milan
▶ www.moso-bamboo.com/citylife
- 20 AkzoNobel Center & Art Space
▶ www.moso-bamboo.com/akzonobel
- 21 IDOM Head Office Bilbao
▶ www.moso-bamboo.com/idom
- 22 Fugro TechCenter building
▶ www.moso-bamboo.com/fugro

get inspired

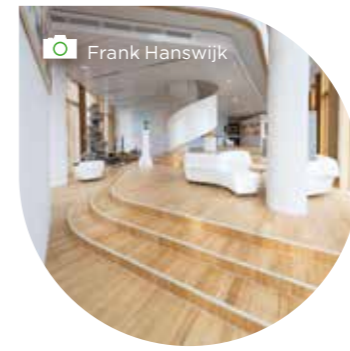
Head Office Inbisa Barcelona
Spain



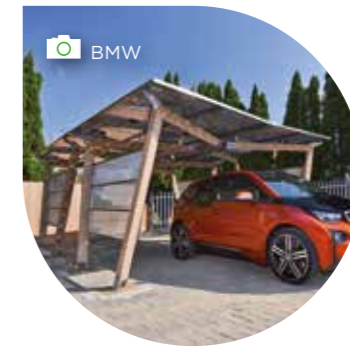
Hotel ZOKU Amsterdam
The Netherlands



AkzoNobel Center & Art Space
The Netherlands



BMW Solar Carport
South Africa



Office Jumbo
The Netherlands



BMW dashboard
Worlwide



Bamboo Chair
The Netherlands



Head Office Südwestmetall
Germany



Private Residence
Argentina



Schiphol Airport
The Netherlands



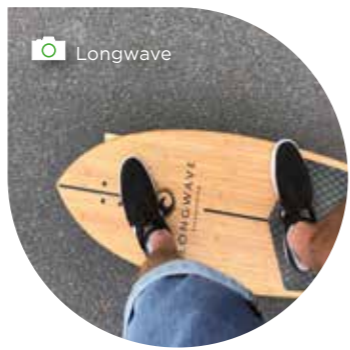
University Amsterdam
The Netherlands



Office FAO United Nations
Roma Italy



Longwave - landsurfing boards
Poland



Hotel Hyatt Palace
The Netherlands



Belmond Safaris Savute Elephant Lodge
Botswana



SNCF - Railway Station
Bordeaux France



Be inspired by hundreds of bamboo applications and countless projects made with a wide range of MOSO® bamboo products:
▶ www.moso-bamboo.com/references



MOSO® Mastering Bamboo

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

With 25 years' experience in the relatively young bamboo industry, MOSO® is recognised as the **global A-brand** in bamboo because of its focus on product **quality, innovation** and **sustainability**. With an international team and partners in more than 50 countries, MOSO® is continuously looking for new applications and solutions that can be made with the fastest growing plant of the world. The proof is the impressive list of reference projects showcasing **endless possibilities** with MOSO® Bamboo Products.

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-bamboo.com/references.

www.moso-bamboo.com/moso



MOSO® Bamboo Panels, Veneer & Beams

Solid Collection												Supra Collection														
Solid Panel						Solid Beam						1-Ply Panel		Veneer		Flexbamboo										
Solid Panel												Solid Beam						1-Ply Panel		Veneer		Flexbamboo				
Solid Panel												Solid Beam						1-Ply Panel		Veneer		Flexbamboo				
Dimensions (mm)																										
Thickness																										
Length												2440 2440 2440 2440 2440 2440 2440 2440 3100/4000 2440 3000						2440 2440		2500 2500 3100 2500		45000 1250/2000 15000				
Width												1220 1220 1220 1220 1220 1220 1220 1220 700 1220 700						55 120 120		1220 1220		430 1250 430/1250 1250		2040/2440 2440/3000 2040		
Strip width																						7/15 7/15 50				
Style																										
Plain Pressed (PP)												- • - • • • • - - • •						- •		• • - -						
Side Pressed (SP)												• • • • - • • - - • •						- •		• • • •						
High Density* (HD)												- - - • - - - • • - -						• -		- - - •						
Colours																										
Natural												• • • • • • • - • •						• •		- - - -		• ³⁾ • •				
Caramel												• • • • • • • • • •						• •		• • • •		• • •				
Ecru / Tiger												- - - Tiger ¹⁾ - - - - -						Tiger ¹⁾ -		Ecru Ecru Ecru -		- - -				
Finish																										
Unfinished												• • • • • • • • • •						• •		• • • •		• • •				
Oiled																						• ⁴⁾ - • ⁴⁾				
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/mm ²)												>4 >4 >4 >4 >4 >4 >4 >9.5 >9.5 >4 >4						>4 >4 >4 (HD:>9.5) (HD:>9.5)		>9.5 >4		- ²⁾ - ²⁾ - ²⁾ - ²⁾		>3 >3 >3		
CO ₂ neutral												• • • • • • • • • •						• • •		• • • •		n.d. n.d. n.d.				

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

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".

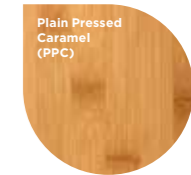
MOSO® Bamboo Veneer is a high quality veneer, which is created by slicing sheets from laminated blocks made from bamboo strips. To avoid cracks during handling, MOSO® Veneer is backed with a thin, but strong cellulose fleece. This facilitates easy pressing of the veneer sheets on a panel.

²⁾ 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.

³⁾ Only available in 2440 mm width.
⁴⁾ There are 4 additional colours available: 92=Misty-White, 94=Walnut, 95=Silver-Grey, 96=Ebony.

⁵⁾ Flexbamboo not available with FSC® certification.





MOSO:

*Leading in the
development of
innovative and
sustainable
bamboo products*

▶ www.moso-bamboo.com

m_{oso}

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