

MOSO® Bamboo Panels, Veneer & Beams

Beautiful and
sustainable
interior solutions

mOSO®

Bamboo: the fastest
growing plant
in the world

MOSO® Bamboo Panels, Veneer & Beams

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

Beautiful 6



Durable & stable 8



Versatile 10



Well made 12



Solid collection 15



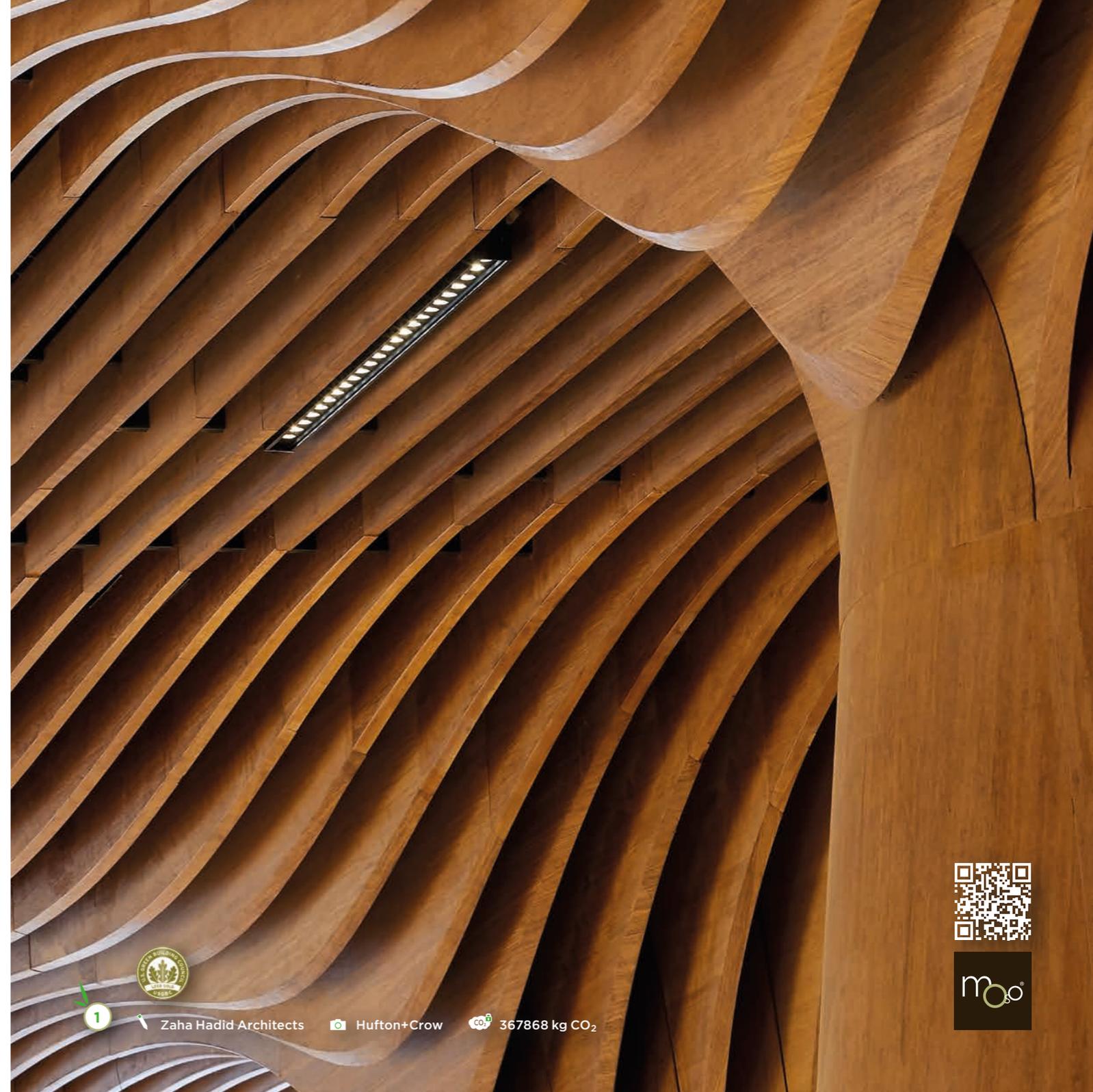
Supra collection 25



Custom made 33



Sustainable 34



1

Zaha Hadid Architects

Hufton+Crow

367868 kg CO₂



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.



breeam
★★★★★
excellent

2

SeARCH Lior Teitler 172786 kg CO₂

For more information about these references please go to page 36.



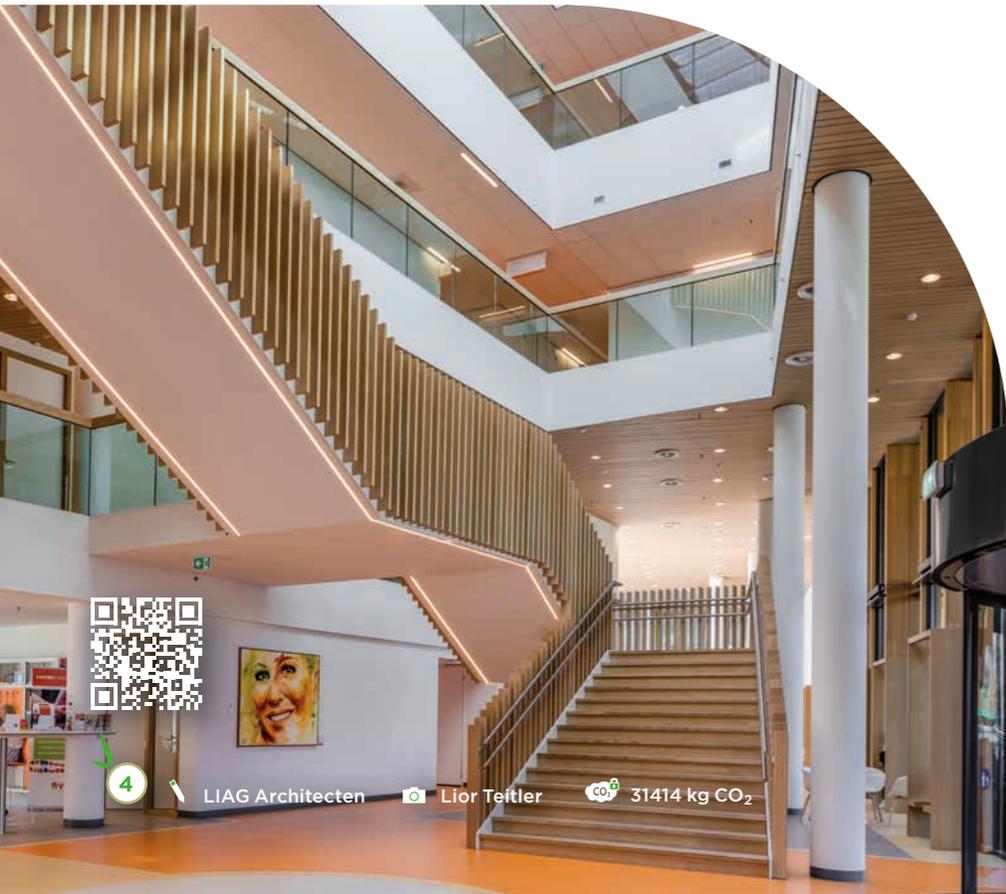
3

FITCH Lior Teitler

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 | Liör Teitler | 31414 kg CO₂



5 Architecture Studio | Antoine Duhamel | 163777 kg CO₂

For more information about these references please go to page 36.



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 4-5 years a stem can be harvested, while the younger stems continue to grow. Each year new shoots sprout from the root system. This means that the bamboo can be used without harming the forest. After harvesting, the Moso bamboo stems are split and the inner and outer skins are removed. The untreated strips have a yellowish colour (Natural) but can be lightly steamed, reducing the yellowish tone (Ecrú) or more intensely steamed for a warm brown colour (Caramel). After treating and drying, the strips are ready to be processed in several ways to make the final MOSO® Bamboo Product:



Split the Moso bamboo stems



Untreated bamboo strips can be lightly steamed (Ecrú) or more intensely steamed (Caramel)



Ready to harvest after 4-5 years



Remove the inner and outer skins



Treating, drying, final profiling and selection of the strips

► www.moso-bamboo.com/production

MOSO® Benefits

Assembly of strips:



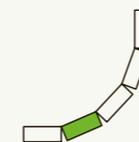
Plain Pressed

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



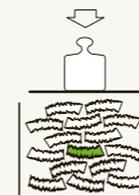
Side Pressed

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.



Hard & durable

With a hardness and density similar to or better than 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

Solid 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.



Stored Carbon

Due to the fast growth - and related high yields - Moso bamboo locks far more CO₂ in durable products compared to wood species.



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® Bamboo 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, ceilings, pillars, curtain walls, furniture, kitchens** and **doors**.

MOSO® Bamboo Solid Panels 16
Multilayer boards

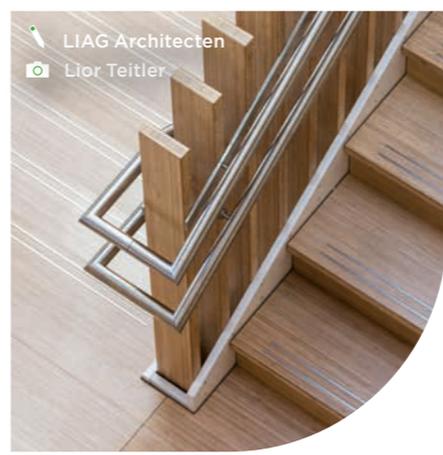
The line pattern combined with a natural look creates numerous design possibilities.

MOSO® Bamboo Solid Beams 18
Decorative & structural

Striking look for decorative applications. Create very long lengths with Bamboo N-finity Beams, tested for structural applications.

MOSO® Bamboo N-vision 22
Inspired by nature

Unleash your creativity and envision any design with round beams inspired by nature.



breeam
★★★★★
excellent



MOSO® Bamboo Solid Panels

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
Ecrú / Caramel
3-ply
2440 x 1220 mm



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



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



20 mm
Plain / Side Pressed
Ecrú / Caramel
3-ply
2440 x 1220 mm



20 mm
High Density*
Natural / Caramel / Tiger*
3-ply
2440 x 1220 mm



20 mm
Plain Pressed
Ecrú / Caramel
5-ply and 3-ply
2440 x 1220 mm



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



30 mm
Plain / Side Pressed
Ecrú / 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
Ecrú / Caramel
5-ply
2440 x 1220 mm



40 mm
Plain / Side Pressed
Ecrú / Caramel
5-ply
3000 / 4000 x 700 mm



* Mix of natural and caramel strips.

For more information about these references please go to page 36.



Standard Studio

Wouter van der Sar

45097 kg CO₂



Long bamboo lengths for decorative applications

MOSO® Bamboo Solid Beams are ideal for decorative applications such as table and chair legs, (linear) wall cladding, stair railings, door and window frames etc. The beams are available in various sizes, are easy to process and can be requested to size for projects.

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



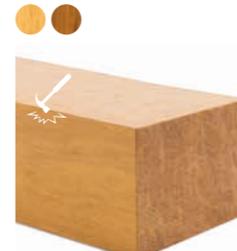
Side Pressed Ecrú

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 more information about these references please go to page 36.



Structural interior applications

MOSO® Bamboo N-finity Solid Beams are developed for structural interior applications which makes them ideally suited for curtain walls and window and door frames, among others. The bamboo strips are connected with a special patented hook connection - creating the possibility to make very long lengths. MOSO® Bamboo N-finity is the first bamboo material that is certified with an Approval for Structural Applications by the German Institute for Construction technique (DIBt).



51 / 61 / 86 mm
Plain / Side Pressed
Caramel
5800 x 51 / 61 x 161 mm
5800 x 86 x 72 / 82 mm



Kempegowda International Airport Terminal 2 with 1,000,000 m³ of bamboo round beams



Inspired by nature

With the MOSO® Bamboo N-vision collection, MOSO® has created a product that allows the creativity of any designer to be completely unleashed. The beautiful bamboo strips are clearly visible in the stems meaning Bamboo N-vision has a beautiful, natural appearance that can bring any design to life and add an element of warmth. Unleash your creativity and envision any design with Bamboo N-vision.

25 mm Side Pressed Ecu 2900 x Ø 25



Solid round beam

30 mm Side Pressed Ecu 2900 x Ø 30



Solid round beam

60 mm Side Pressed Ecu 2900 x Ø 60



Solid and hollow round beams

40 mm Side Pressed Ecu 2900 x Ø 40



Solid round beam

80 mm Side Pressed Ecu 2900 x Ø 80



Solid and hollow round beams



For more information about these references please go to page 36.

MOSO® Bamboo 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**.

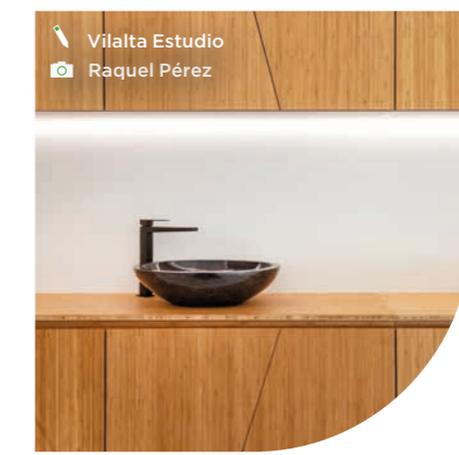
MOSO® Bamboo 1-Ply Panels 26

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



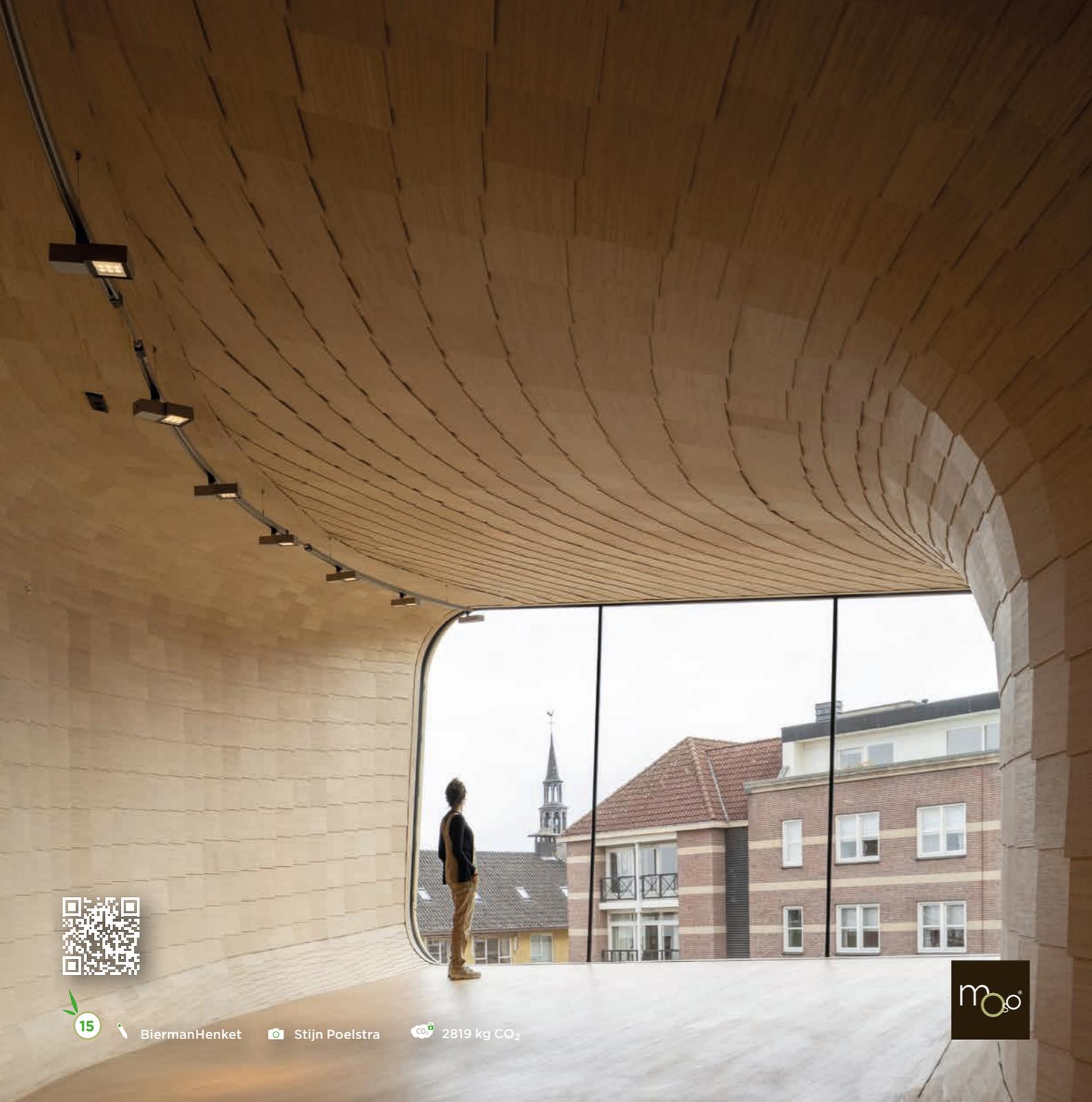
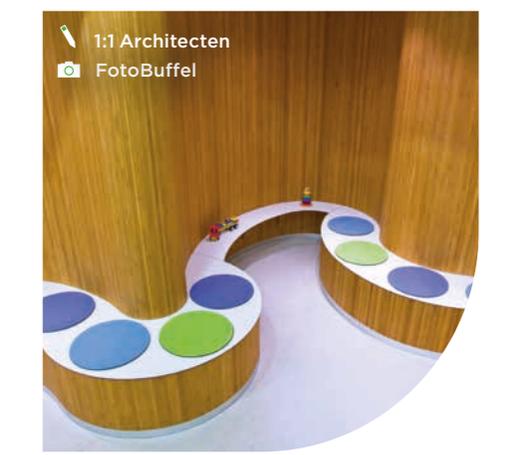
MOSO® Bamboo Veneer 28

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



MOSO® Flexbamboo 30

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



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
Ecrú / Caramel
1-ply
2440 x 1220 mm



Side Pressed Ecrú



152732 kg CO₂



16

DP6 architectuurstudio

Hennie Raaymakers/DAPH



* Mix of natural and caramel strips.

For more information about these references please go to page 36.

17

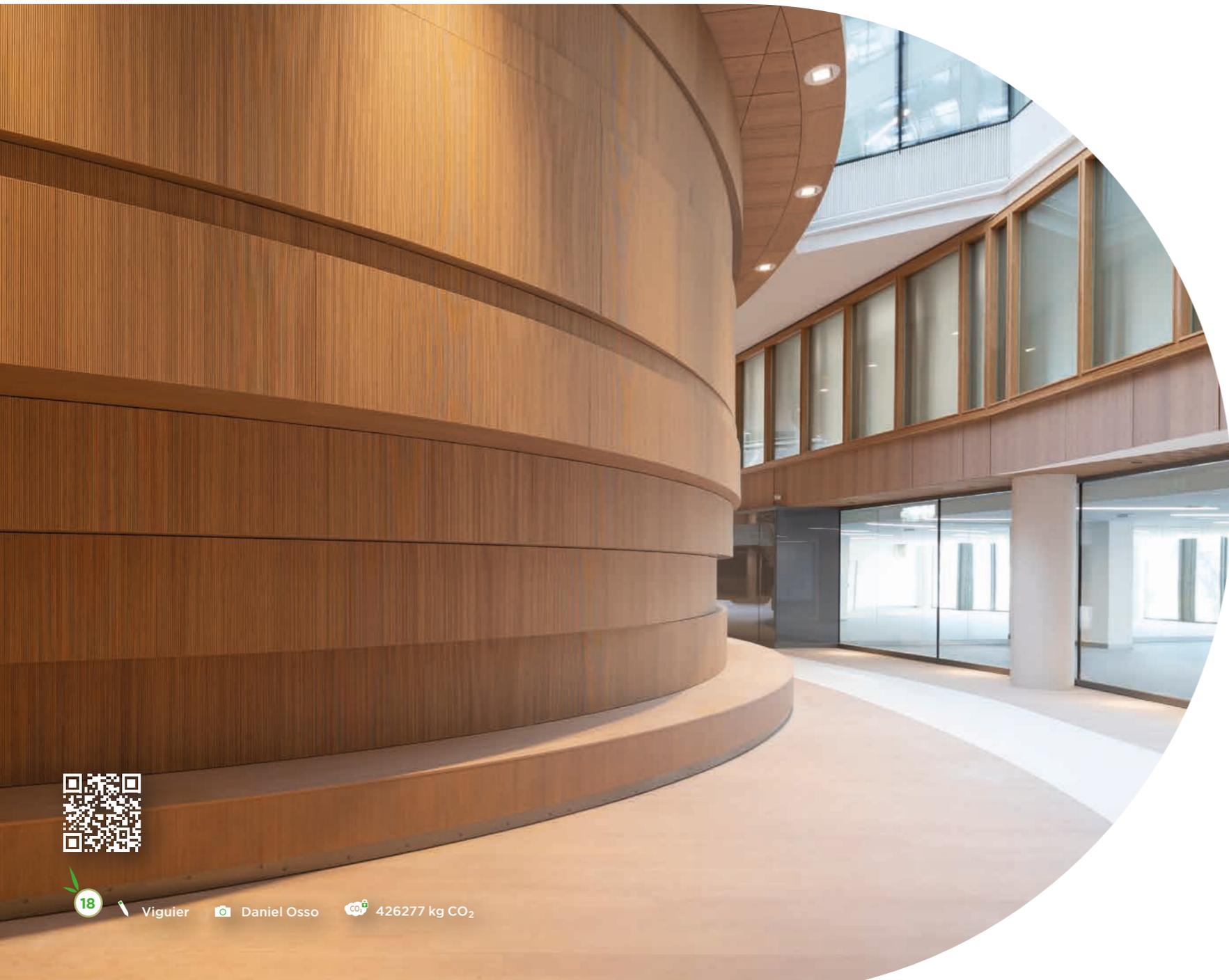
Ector Hoogstad Architecten

Bart van Hoek

127787 kg CO₂

breeam
★★★★
very good

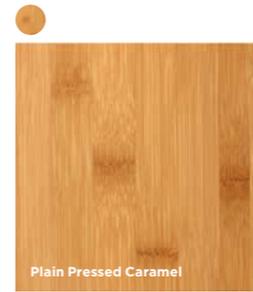




Thin, versatile and decorative layer

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 Ecu / Caramel
2500 x 430 / 1250 mm,
3100 x 430 / 1250 mm



0.5 mm High Density* Caramel
2450 x 1250 mm



For more information about these references please go to page 36.



Flexible bamboo covering material

MOSO® Flexbamboo is a flexible bamboo product consisting of plain bamboo strips connected with a (fabric) backing layer. 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.



2 mm
Solid strip 7
Caramel
Unfinished
Roll 2.04 / 2.44 x 22.5 m



Caramel 7 mm Unfinished

2 mm
Solid strip 15 mm
Caramel
Unfinished
Roll 2.04 / 2.44 x 22.5 m



Caramel 15 mm Unfinished

For more information about these references please go to page 36.



Madrid International Airport
with 200.000 m²
bamboo ceiling



MOSO® Bamboo Custom made

One of the **strengths of MOSO®** 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 ecological stabling alternatives.

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 integrated in our 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 stables

“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. FSC® is globally recognised as one of the best and most stringent responsible forestry certification system in the wood industry. MOSO® can provide all solid bamboo products with an FSC®-certification.

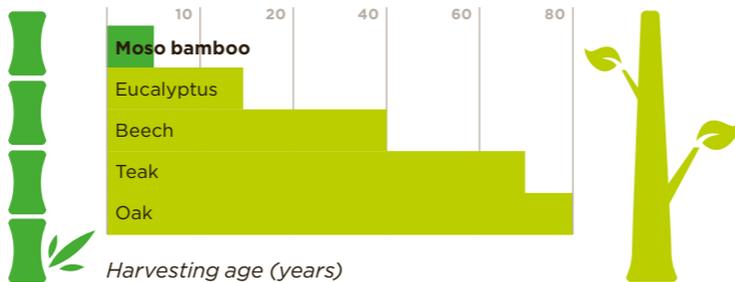


The mark of responsible forestry
FSC® C002063

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



1 Zaha Hadid Architects AndreVisual

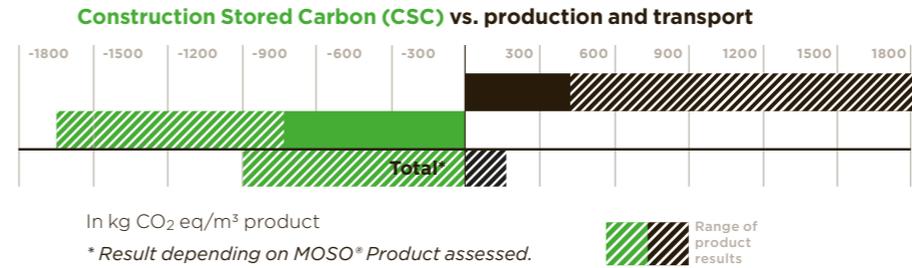


Carbon footprint

MOSO® Bamboo Products: CO₂ neutral during the product lifespan*

MOSO® has conducted several LCA (Life Cycle Assessment) studies, including carbon footprint studies, together with Delft University of Technology (TU Delft) and NIBE (LCA experts). The 2015 LCA report, available at www.moso-bamboo.com/lca, was the first of its kind and resulted in many new findings about the carbon footprint of bamboo products. The environmental impact of MOSO® Bamboo Products, excluding the carbon sequestration effect, has also been published in 2016 and updated in 2022 in an official Environmental Product Declaration (EPD) following EN 15804 (www.moso-bamboo.com/epd).

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



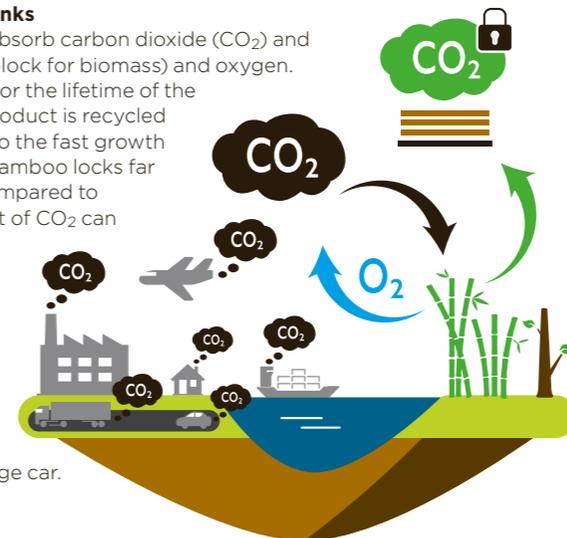
www.moso-bamboo.com/certifications



Carbon storage in bamboo

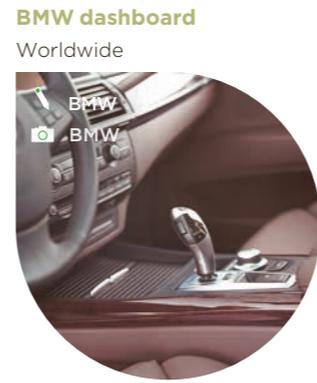
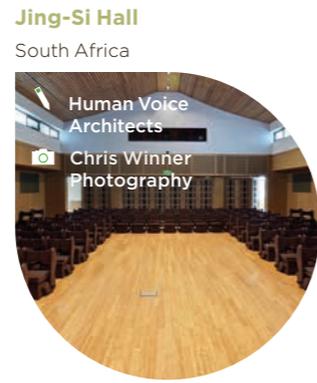
Biobased materials act as CO₂ sinks

Through photosynthesis, plants absorb carbon dioxide (CO₂) and convert it into glucose (building block for biomass) and oxygen. The CO₂ is stored in the material for the lifetime of the product, and even longer if the product is recycled into new, durable products. Due to the fast growth - and related high yields - Moso bamboo locks far more CO₂ in durable products compared to wood species. The locked amount of CO₂ can be calculated rather simply by looking at the density of the material and taking into account the biobased content. For example, MOSO® Bamboo High Density® Products lock just over 1.660 kg CO₂ per m³ of bamboo, which is the equivalent of the CO₂ emissions of 14.000 km driven by a mid-range car.

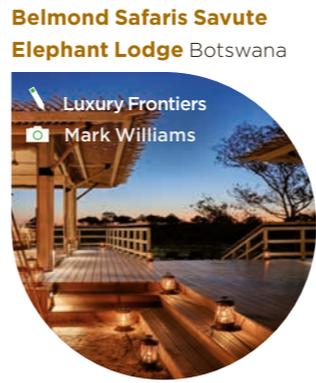
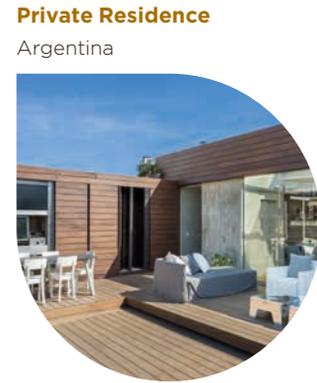


More information about inside references:

- 1 CityLife Shopping District Milan
▶ www.moso-bamboo.com/citylife
- 2 Hotel Jakarta Amsterdam
▶ www.moso-bamboo.com/hotel-jakarta
- 3 Lexus Lounge at Brussels Airport
▶ www.moso-bamboo.com/lexus-lounge
- 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/hotel-jakarta
- 9 Hermes City Plaza
▶ www.moso-bamboo.com/hermes-city-plaza
- 10 Thames Tower London
▶ www.moso-bamboo.com/thames
- 11 Office Van Oord
▶ www.moso-bamboo.com/van-oord
- 12 Klöckner Pentaplast GmbH
▶ www.moso-bamboo.com/klockner
- 13 Private House in Immenstadt
▶ www.moso-bamboo.com/immenstadt
- 14 Kempegowda International Airport
▶ www.moso-bamboo.com/india
- 15 Museum van Bommel van Dam
▶ www.moso-bamboo.com/bommel-dam
- 16 STC Campus Waalhaven
▶ www.moso-bamboo.com/waalhaven
- 17 Matrix VII
▶ www.moso-bamboo.com/matrix
- 18 Bridge Pont d'Issy Orange Head Office
▶ www.moso-bamboo.com/orange
- 19 Minima Lighting Cape Town
▶ www.moso-bamboo.com/minima
- 20 Sottanelli Assicurazioni
▶ www.moso-bamboo.com/sottanelli-assicurazion
- 21 Living Puerto Office
▶ www.moso-bamboo.com/living-puerto
- 22 IDOM Head Office Bilbao
▶ www.moso-bamboo.com/idom
- 23 Fugro TechCenter building
▶ www.moso-bamboo.com/fugro
- 24 MOSO® Headquarters
▶ www.moso-bamboo.com/moso-international-hq



Endless possibilities with MOSO® Bamboo Products



Be inspired by hundreds of bamboo applications and countless projects made with a wide range of MOSO® Bamboo Products:



MOSO® Mastering Bamboo

Endless possibilities with MOSO® Bamboo Products:

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.

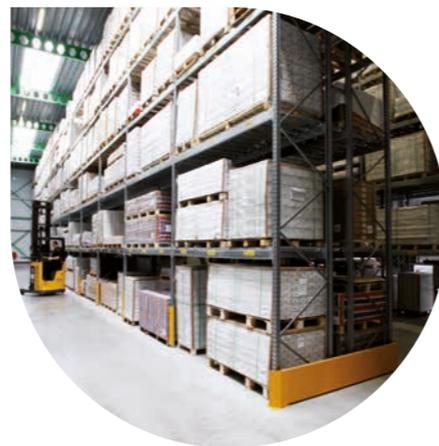
With over 25 years' experience in the relatively young bamboo industry, MOSO® is recognised as the **global A-brand** in bamboo because of its focus on product **quality, innovation** and **sustainability**. With an international team and partners in more than 60 countries, MOSO® is continuously looking 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, Kempegowda International Airport, BMW, AkzoNobel, Texaco, Guggenheim Museum, SNCF Railway Station Gare du Nord, Iberostar, 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®:
Leading in the
development of
innovative and
sustainable
bamboo products

► www.moso-bamboo.com



Headquarters:

Moso International B.V.
Adam Smithweg 2
1689 ZW Zwaag
The Netherlands
T +31 (0)229 265732
info@moso.eu

Italy:

Moso Italia S.R.L
Via Antonio Locatelli 86
20853 Biassono (MB)
Italy
T +39 (0)39 900 5440
mosoitalia@moso.eu

North America:

Moso North America HQ
Lansdale PA
United States of America
T +1 855 343 8444
info@moso-bamboo.com

Spain, France, Portugal, North Africa,
Latin America and Middle East:

Moso Europe S.L.U.
C/ Pau Claris, 83 - Principal 2ª
08010 Barcelona
Spain
T +34 (0)93 574 9610
contact@moso.eu

Sub-Saharan Africa:

Moso Africa Pty. Ltd.
7 Glosderry Road Kenilworth
7708 Cape Town
South Africa
T +27 2167 11214
contact@moso-bamboo.co.za

GCC & Arab Countries:

Moso MENA
P.O. Box: 410684
Dubai - UAE
T +971 4 8324934
mosomena@moso-bamboo.com

www.moso-bamboo.com



Landmark
Vastgoed
Management
Hans Gorter

moso®

Mastering
bamboo

EN-2024