MOSO® BAMBOO

Panels, Beams & Veneer

BEAUTIFUL AND SUSTAINABLE
INTERIOR SOLUTIONS

moso BAMBOO | Building the future with bamboo

moso°
BAMBOO

Pharos – The Lighthouse (in Greek) - Hoofddorp, The Netherlands
ARCHITECT Sheryl Leysner | PHOTOGRAPHER Todays Brew

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Bamboo: the fastest growing plant in the world

BAMBOO LOCKS ENORMOUS AMOUNTS OF CARBON

Godai Pavilion - Cantabría, Spain
ARCHITECT **Baldó Arquitectura** | PHOTOGRAPHER **Luis Asin**

MOSO® BAMBOO

Panels, Beams & Veneer

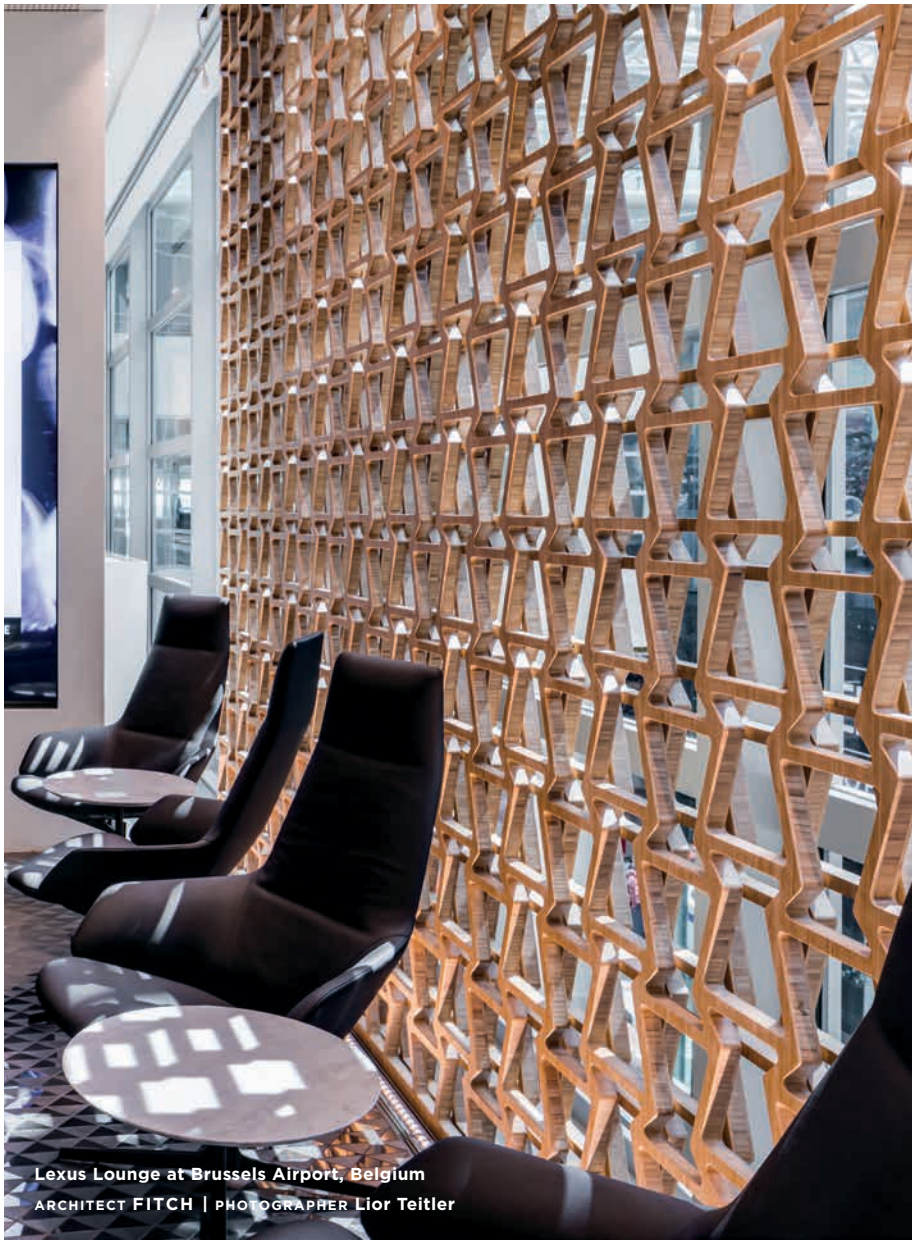
With MOSO® Bamboo panels, beams and veneer a beautiful interior can be created made of naturally-grown bamboo. MOSO® Bamboo offers multiple solutions for interior projects, such as: furniture, worktops, window and door frames, kitchens, doors, stairs or wall and ceiling coverings. MOSO® Bamboo panels, beams & veneer are split into a Solid and a Supra collection. Be inspired and introduce bamboo to any interior design!

More about
Sustainability

Hotel Jakarta - Amsterdam, The Netherlands
ARCHITECT **SeARCH** | PHOTOGRAPHER **Lior Teitler**

Bamboo design

Enrich any interior project with MOSO® Bamboo panels, beams and veneer. Whether a decorative or structural solution is desired, there are numerous possibilities for each application. Similar to wood, the final look can be determined with many different finishes.



Lexus Lounge at Brussels Airport, Belgium
ARCHITECT **FITCH** | PHOTOGRAPHER **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.

Princes Máxima Center - Utrecht, the Netherlands
ARCHITECT LIAG Architecten | PHOTOGRAPHER Lior Teitler

Headquarter Caisse d'Épargne - Bordeaux, France
ARCHITECT **Architecture Studio** | PHOTOGRAPHER **Antoine Duhamel**

Headquarter ASICS EMEA - Hoofddorp, the Netherlands
ARCHITECT **Powerhouse Company** | PHOTOGRAPHER **Hans Gorter Fotografie**

Versatile

MOSO® Bamboo panels, beams and veneer are available in different colours and textures, and in various sizes. Depending on the finish or surface treatment, any design can be achieved by selecting the most fitting style. 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.

Private Residence - Asker, Norway
PHOTOGRAPHER Mats Holst

MOSO® BAMBOO

Benefits

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.

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.

FIREPROOF

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

HEALTHY

All MOSO® Bamboo panels, beams and veneer meet E05 formaldehyde emission requirements according to EN 16516 and comply with the REACH emission limit of ≤ 0.062 mg/m³ for furniture and wood-based articles.

BEAUTIFUL APPEARANCE

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

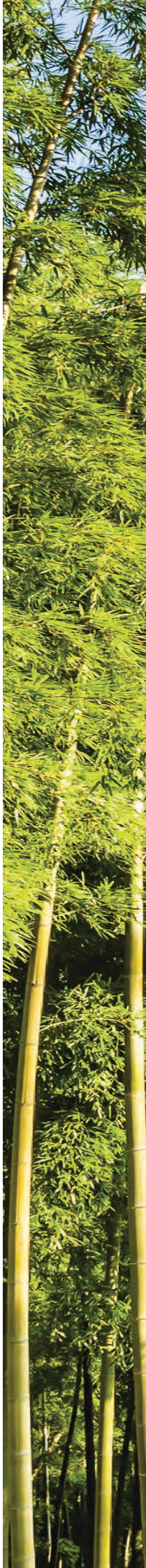
ENDLESS RESOURCE

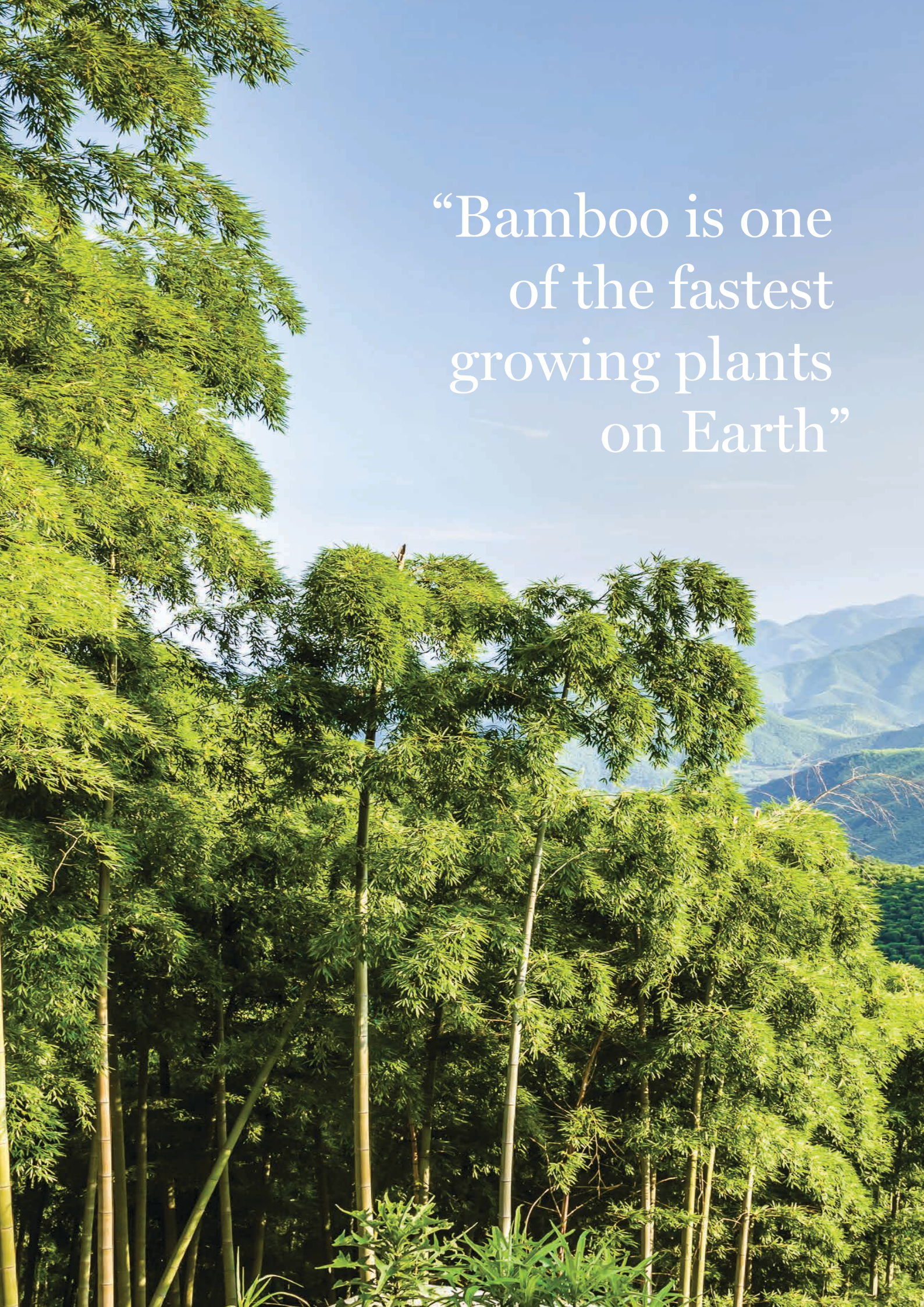
Made from bamboo, one of the fastest growing plants on Earth. Each stem can be harvested after 4-5 years, and the plant continues to grow. There is no deforestation.

STORED CARBON

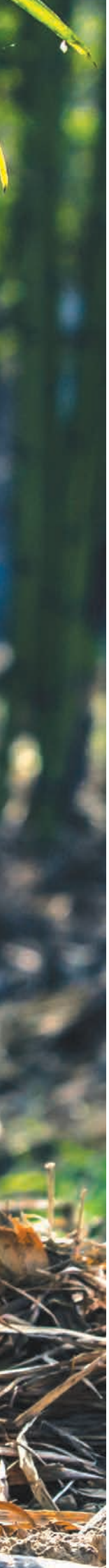
Due to the fast growth – and related high yields - bamboo locks far more carbon in durable products compared to wood species.

More about
Bamboo benefits





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



MOSO® BAMBOO

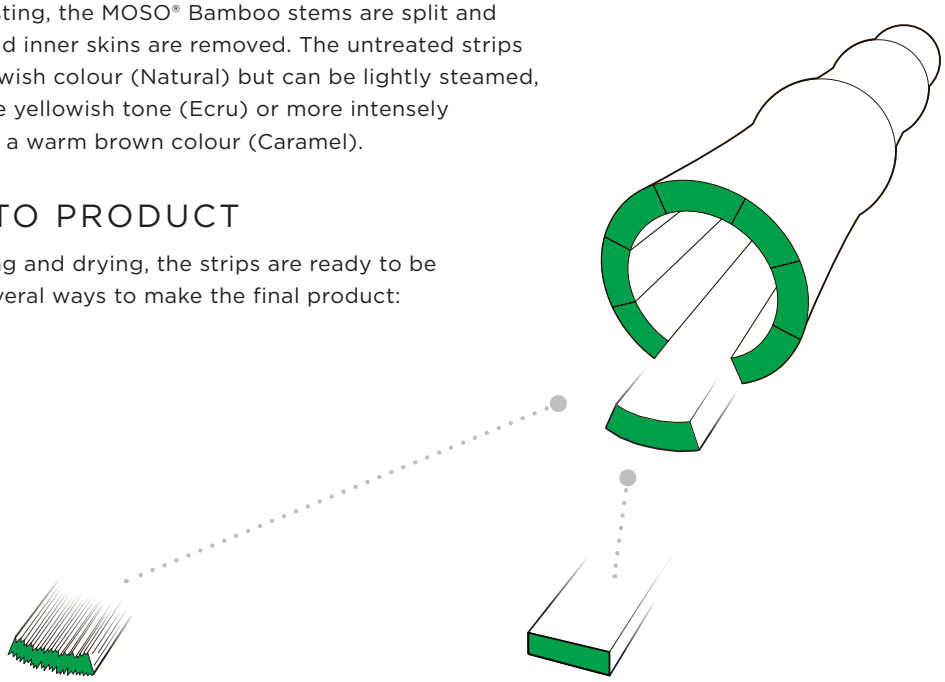
From plant to product

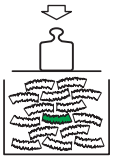
STEM TO STRIP

After harvesting, the MOSO® Bamboo stems are split and the outer and inner skins are removed. The untreated strips have a yellowish colour (Natural) but can be lightly steamed, reducing the yellowish tone (Ecru) or more intensely steamed for a warm brown colour (Caramel).

STRIP TO PRODUCT

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





High Density

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

Side Pressed

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

Plain Pressed

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

Extra hard
In this brochure, High Density is indicated by a hammer.

More about
How bamboo products are made

Commercial Center Mitikah - Ciudad de Mexico, Mexico
ARCHITECT **Sordo Madaleno Arquitectos** | PHOTOGRAPHER **Jaime Navarro**

MOSO® BAMBOO

Solid collection

MOSO® Bamboo 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.

20 SOLID PANELS
Multilayer boards

23 SOLID BEAMS
Long bamboo lengths for decorative applications

25 N-FINITY
Constructive bamboo for interior applications

27 N-VISION
Inspired by nature

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.

Hermes City Plaza - Rotterdam, The Netherlands
ARCHITECT **Standard Studio** | PHOTOGRAPHER **Wouter van der Sar**

7 MM
Side Pressed

ECRU / CARAMEL
3-PLY | 2440 X 1220 MM

16 MM
Plain / Side Pressed

ECRU / CARAMEL
3-PLY | 2440 X 1220 MM

19 MM
Side Pressed

ECRU / CARAMEL
1-PLY | 2440 X 1220 MM

20 MM
Plain / Side Pressed

ECRU / CARAMEL
3-PLY | 2440 X 1220 MM

20 MM
High Density

NATURAL / CARAMEL / TIGER*
3-PLY | 2440 X 1220 MM

20 MM
Plain Pressed

ECRU / CARAMEL
5-PLY | 2440 X 1220 MM

25 MM
Plain / Side Pressed

ECRU / CARAMEL
3-PLY | 2440 X 1220 MM

30 MM
Plain / Side Pressed

ECRU / 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

ECRU / CARAMEL
5-PLY
2440 X 1220 MM

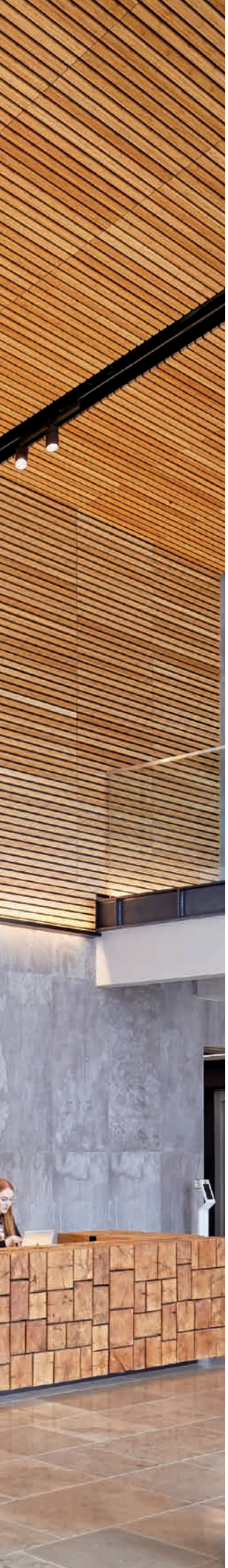
40 MM
Plain / Side Pressed

SIDE PRESSED: ECRU / CARAMEL
PLAIN PRESSED: CARAMEL
5-PLY | 3000 / 4000 X 700 MM

More about
Solid panels

*MIX OF NATURAL AND CARAMEL STRIPS

Thames Tower - London, United Kingdom
ARCHITECT **DN-A Architects** | PHOTOGRAPHER **BCL Timber Projects**



MOSO® BAMBOO

Solid beams

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

ECRU / CARAMEL
3-PLY | 2440 X 55 X 55 MM

72 MM
Side Pressed

ECRU / CARAMEL
5-PLY | 2440 X 120 X 72 MM

72 MM
High Density

NATURAL / CARAMEL
1-PLY | 2440 X 120 X 72 MM

100 MM
Side Pressed

ECRU / CARAMEL
5-PLY | 2440 X 120 X 100 MM

100 MM
High Density

CARAMEL
1-PLY | 2440 X 120 X 100 MM

More about
Solid beams

Private House in Immenstadt - Immenstadt i. Allgäu, Germany
ARCHITECT **Atzingerchaves Architecture Interiors (Martin Atzinger)** | PHOTOGRAPHER **Mathias Kögel**

MOSO® BAMBOO

N-finity

CONSTRUCTIVE BAMBOO FOR INTERIOR APPLICATIONS

MOSO® Bamboo N-finity Solid beams are developed for structural interior applications which make 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). The beams are available on request in the maximum dimensions of 200 x 120 x 12000 mm.

51 / 61 / 86 MM
Plain / Side Pressed

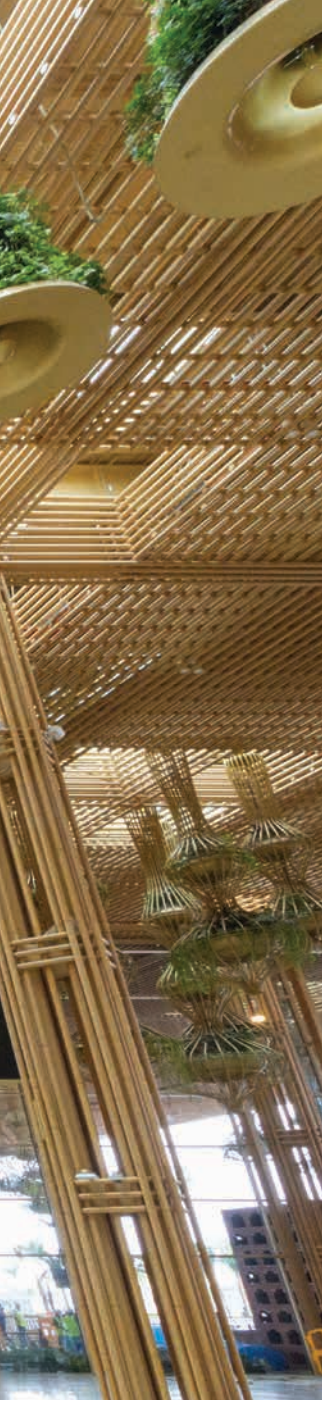
CARAMEL
5800 X 51 / 61 X 161 MM
5800 X 86 X 72 / 82 MM

More about
N-finity

Klöckner Pentaplast GmbH - Montabaur, Germany
ARCHITECT Archibrand Studio | PHOTOGRAPHER Isa Steinhäuser

Kempegowda International Airport - Bengaluru, India
ARCHITECT Skidmore, Owings & Merrill LLP (SOM) | INSTALLATION Lindner Group | PARTNER Larsen & Toubro

Kempegowda International Airport Terminal 2 with 1,000,000 m1 of bamboo round beams



MOSO® BAMBOO

N-vision

INSPIRED BY NATURE

With the MOSO® Bamboo N-vision collection, MOSO® Bamboo 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 MOSO® Bamboo N-vision has a beautiful, natural appearance that can bring any design to life and add an element of warmth. Unleash the creativity from within and envision any design with MOSO® Bamboo N-vision.

25 MM
Side Pressed

ECRU
2900 X Ø 25
SOLID ROUND BEAM

30 MM
Side Pressed

ECRU
2900 X Ø 30
SOLID ROUND BEAM

40 MM
Side Pressed

ECRU
2900 X Ø 40
SOLID ROUND BEAM

60 MM
Side Pressed

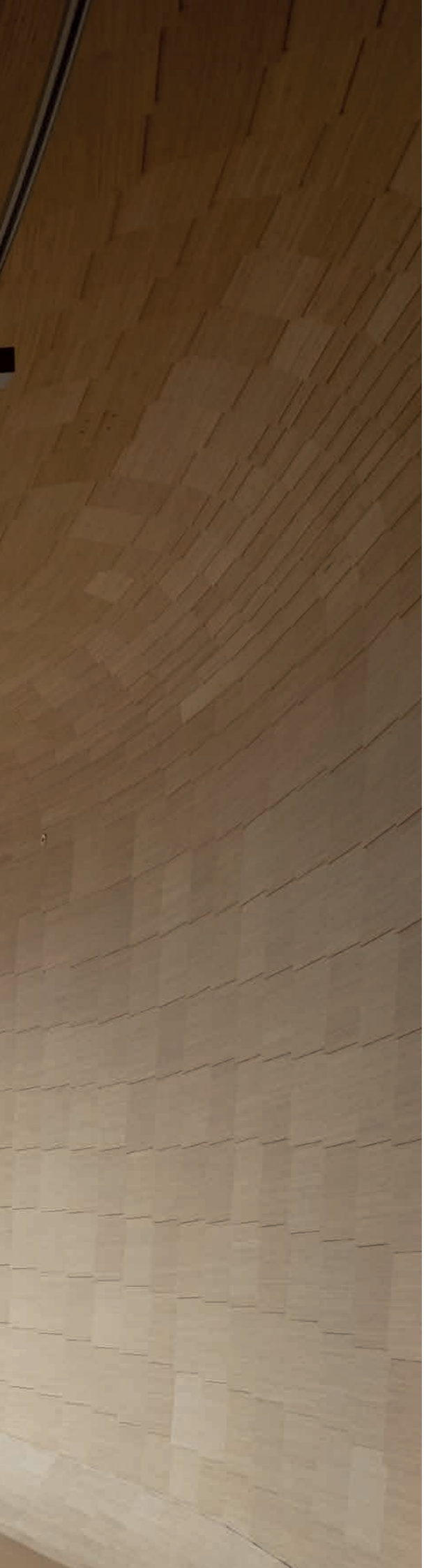
ECRU
2900 X Ø 60
SOLID ROUND BEAM

80 MM
Side Pressed

ECRU
2900 X Ø 80
SOLID ROUND BEAM

More about
N-vision

Museum van Bommel van Dam - Venlo, The Netherlands
ARCHITECT **BiermanHenket** | PHOTOGRAPHER **Stijn Poelstra**



MOSO® BAMBOO

Supra collection

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

31 1-PLY PANELS
Decorative panelling solution

33 VENEER
Thin, versatile and decorative layer

Matrix VII - Amsterdam, the Netherlands
ARCHITECT **Ector Hoogstad Architecten** | PHOTOGRAPHER **Bart van Hoek**

MOSO® BAMBOO

1-Ply Panels

DECORATIVE PANELLING SOLUTION

MOSO® Bamboo 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

4 MM
High Density

TIGER*
1-PLY | 2440 X 1220 MM

* MIX OF NATURAL AND CARAMEL STRIPS

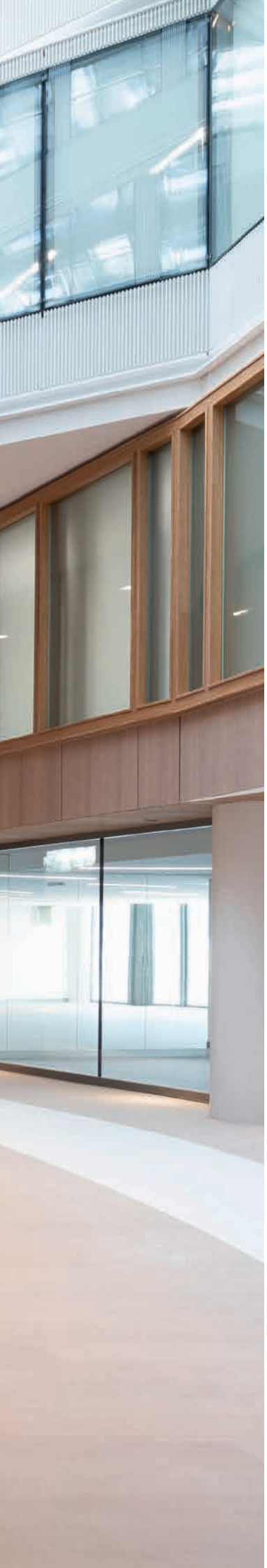
5 MM
Plain / Side Pressed

ECRU / CARAMEL
1-PLY | 2440 X 1220 MM

More about
1-Ply Panels

STC Campus Waalhaven - Rotterdam, The Netherlands
ARCHITECT **DP6 architectuurstudio** | PHOTOGRAPHER **Hennie Raaymakers/DAPh**

Bridge Pont d'Issy Orange Head Office - Issy-les-Moulineaux, France
ARCHITECT **Viguier** | PHOTOGRAPHER **Daniel Osso**

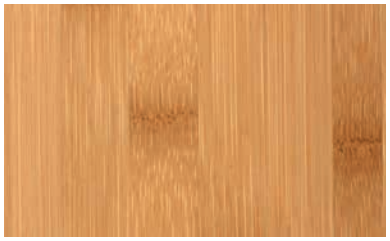


MOSO® BAMBOO

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

ECRU / CARAMEL
2500 X 430 / 1250 MM
3100 X 430 / 1250 MM

0.5 MM
High Density

CARAMEL
2450 X 1250 MM

More about
Veneer

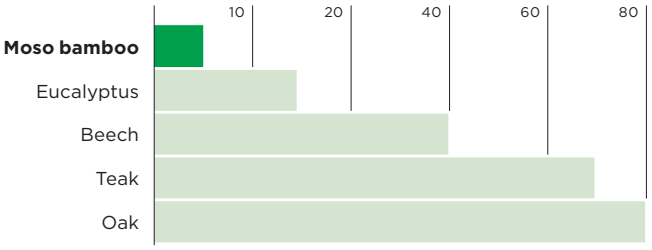
Sustainable

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

UNSURPASSED GROWING SPEED

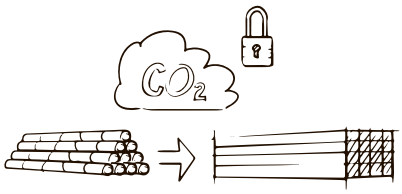
Bamboo: the fastest growing plant in the world.
Because of the fast growth, Moso bamboo is managed as an agricultural crop: the annual harvest of the 4-5 year old stems – compared to 60-80 years for tropical hardwood! - provides a steady annual income to farmers and stimulates the bamboo plant to reproduce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

HARVESTING AGE (YEARS)

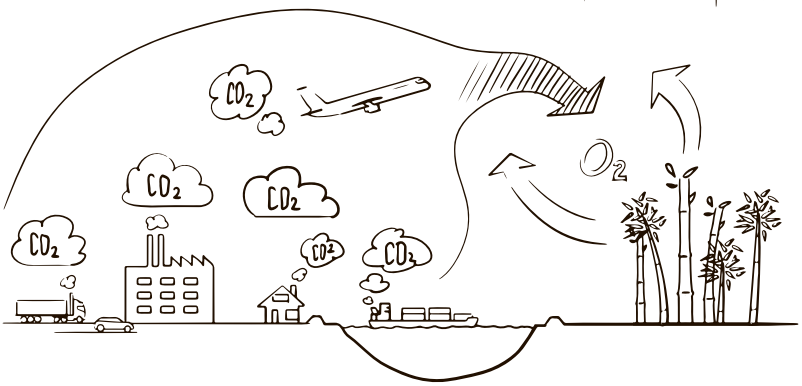


CONSTRUCTION STORED CARBON

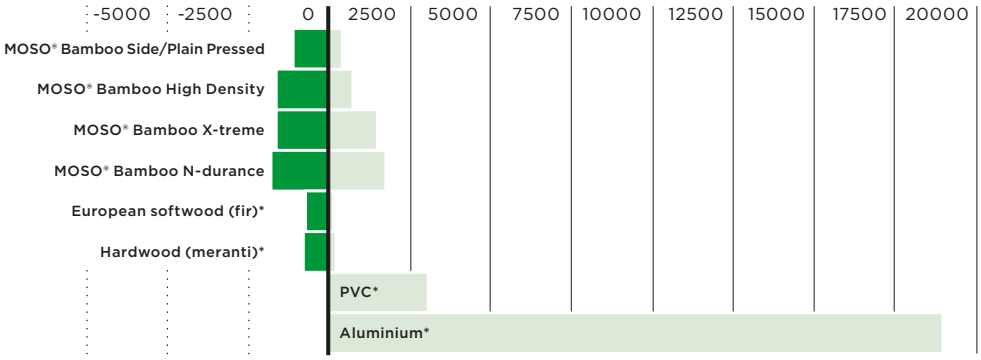
Bio-based materials act as CO_2 sinks. Through photosynthesis, plants absorb carbon dioxide (CO_2) from the atmosphere and convert it into glucose and other organic compounds, effectively storing carbon in plant biomass. The captured CO_2 is stored in the material for the lifetime of the product, and 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 CO_2 in durable products compared to wood species. The locked amount of CO_2 equivalent can be calculated rather simply by looking at the density of the material and taking into account the biobased content. For example, MOSO® Bamboo High Density Products lock just over 1.660 kg CO_2 per m^3 of bamboo, which is the equivalent of the CO_2 emissions of 14.000 km driven by a mid-range car. As long as the MOSO® Bamboo Products are in use, they can act as a temporary carbon store (Construction Stored Carbon).



The CO_2 emissions, bamboo absorption & carbon storage



CO_2 STORAGE VS. CO_2 EMISSIONS DURING PRODUCTION AND TRANSPORT



in kg CO_2 eq/m^3 material
*Data abiotic materials from Idemat database TU Delft (industry averages).

Building the future with bamboo

moso°
BAMBOO

MOSO® Bamboo International Headquarters - Zwaag, The Netherlands
ARCHITECT Landmark | PHOTOGRAPHER Hans Gorter

About MOSO® Bamboo

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

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

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

More about
MOSO® Bamboo

Our references

MOSO® Bamboo develops and creates bamboo products for interior and exterior applications that meet the highest technical requirements and quality standards. Discover the endless possibilities.

PANELS, BEAMS & VENEER

House Smit

CAPE TOWN, SOUTH AFRICA

ARCHITECT | **Veld Architects**
PHOTOGRAPHER | **Paris Brummer**

Torres i Bages

GIRONA, SPAIN

ARCHITECT | **Estudi Maite Prats**
PHOTOGRAPHER | **Marc Torra - Fragments**

Docks Office

BRUSSELS, BELGIUM

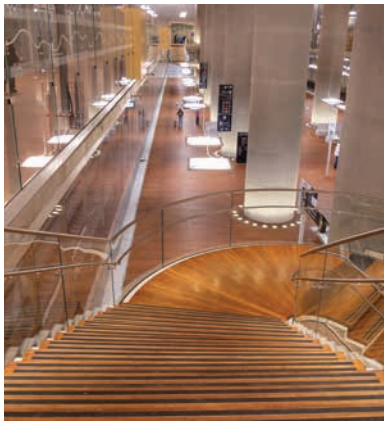
ARCHITECT | **Lilia Poptcheva**
PHOTOGRAPHER | **Lior Teitler**

FLOORING

Hotel ME Barcelona by Melia

BARCELONA, SPAIN

ARCHITECT | **Ramon Cortes**
PHOTOGRAPHER | **Melia Hotels**



La Défense Grand Arche train station

PARIS, FRANCE

ARCHITECT | **Agence Duthilleul**
PHOTOGRAPHER | **Didier Boy de la Tour, Quentin Ducos**

CityLife Shopping District

MILAN, ITALY

ARCHITECT | **Zaha Hadid Architects**
PHOTOGRAPHER | **AndreVisual**

BAMBOO OUTDOOR

Bosch security systems factory

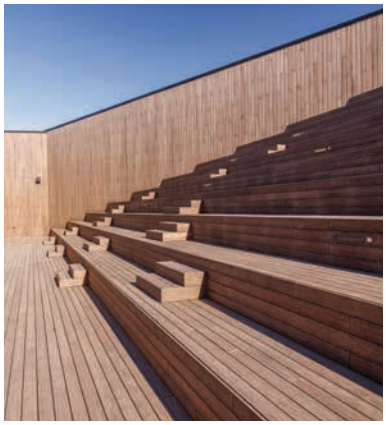
OVAR, PORTUGAL

ARCHITECT | **Aveiplano**

Speehuis

OISTERWIJK, THE NETHERLANDS

ARCHITECT | **SPEE architects**
PHOTOGRAPHER | **Ossip van Duivenbode**



The Heidelberg Congress Center

HEIDELBERG, GERMANY

ARCHITECT | **Degelo Architekten**

INDUSTRY & CUSTOM MADE

Kempegowda T2 International Airport

BENGALURU, INDIA

ARCHITECT | **Skidmore, Owings & Merrill LLP (SOM)**

Moving Chitty Chatty Bridge

WILDWOOD, FLORIDA, USA

ARCHITECT | **Mammoet**
PHOTOGRAPHER | **Mammoet**

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

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ARCHITECT **Zaha Hadid Architects** | PHOTOGRAPHER **Hufton+Crow**

EN-2026