MOSO® Bamboo Solid & Supra Collection
beautiful and sustainable solutions
bamboo: the fastest growing plant in the world

www.moso.eu/durable
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!
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.

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

split the Moso bamboo stems
bamboo strips can be steamed to obtain a light brown caramel colour
removing the outer skin
harvesting after 5 years
treating, drying, final profiling and selection of the strips

the 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, 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.

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.

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.

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.

super flexible
The inherent flexibility of bamboo as a material, combined with lamination techniques provide a unique material with many interesting design opportunities such as curved forms.

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 E0 Class.

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

www.moso.eu/production

*only for MOSO® Veneer / Flexbamboo
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.
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.

**MOSO® bamboo solid panels**

**multiple layers of solid bamboo**

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

For details about technical properties of all products, please refer to pages 35-36.
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.
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
2440 x 1220 mm

5 mm
Plain / Side Pressed
Natural / Caramel
2440 x 1220 mm

4 mm
High Density®
Tiger
2440 x 1220 mm

5 mm
Plain / Side Pressed
Natural / Caramel
2440 x 1220 mm

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

* Mix of natural and caramel strips.
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.

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

www.moso.eu/veneer
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.

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

www.moso.eu/flexbamboo-covering
MADRID INTERNATIONAL AIRPORT WITH 200,000 m² BAMBOO CEILING

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 at International Airport Madrid, partner at Rogers Stirk Harbour + Partners

MOSO® Custom Made

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

REINÆRDT

Doors

“With the MOSO bamboo framewood 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

REINÆRDT

Doitrand Equestre

Horse Stable
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

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).

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).
get inspired

MOSO® Bamboo Flooring

Head Office Inbisa Barcelona
Spain

Hotel ZOKU Amsterdam
The Netherlands

BMW dashboard
Worldwide

Bamboo Chair
The Netherlands

Head Office Südstemmetal
Germany

Belmond Safaris Savute
Elephant Lodge
Botswana

BMW Solar Carport
South Africa

Office Jumbo
The Netherlands

MOSO® Bamboo Outdoor

AkzoNobel Center & Art Space
The Netherlands

Private Residence Argentina

Schiphol Airport
The Netherlands

MOSO® Bamboo Unlimited

Office FAO United Nations
Roma Italy

Longwave - landsurfing boards
Poland

Hotel Hyatt Palace
The Netherlands

SNCF - Railway Station
Bordeaux France

University Amsterdam
The Netherlands

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

more information about inside references:

- Apartment Madrid Center
  www.moso.eu/madrid
- Hotel Jakarta Amsterdam
  www.moso.eu/jakarta
- Lexus Lounge at Brussels Airport
  www.moso.eu/leys
- Princes Máxima Center
  www.moso.eu/maxima
- Headquarter Calise d’Egurjone
  www.moso.eu/calise
- Private Residence EMEA
  www.moso.eu/private
- Hotel Jakarta Amsterdam
  www.moso.eu/jakarta
- Private Residence Cercedilla
  www.moso.eu/cercedilla
- Thames Tower London
  www.moso.eu/thames-tower
- Office Van Oord
  www.moso.eu/van-oord
- Office Nicklasen
  www.moso.eu/nicklasen
- SJC Campus Woudkaave
  www.moso.eu/woudkaave
- Office Docks Brussels
  www.moso.eu/docks
- Guggenheim Museum Bilbao
  www.moso.eu/guggenheim
- Melia Lighting Cape Town
  www.moso.eu/melia
- Michelles Clinic “Groot” Amsterdam
  www.moso.eu/groot
- Office Daguilo A.S Ode
  www.moso.eu/daguilo
- Citylife Shopping District Milan
  www.moso.eu/citylife
- AbsolNobel Center & Art Space
  www.moso.eu/absol
- UOOD Head Office Bilbao
  www.moso.eu/uood
- Fugro TechCenter building
  www.moso.eu/fugro
- 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
- 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
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 of 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, Pennsylvania (USA), Dubai and Guangzhou (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, in heights, colour 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 networks, MOSO® is recognised as the high-end brand in bamboo products.

The proof is the impressive list of references and clients such as Rabobank, United Nations (FAO), and CitizenM Hotels. Madrid Airport, BMW, AkzoNobel, Texaco, Guggenheim Museum, The Rijksmuseum (Amsterdam) and many others feature MOSO® products in each region.

For an overview of our references and clients please visit our website: www.moso.eu/references.
MOSO: leading in the development of innovative and sustainable bamboo products

www.moso.eu
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