bamboo:
the fastest
growing plant
in the world
from bamboo plant to product

stem to strip
After harvesting, the mature bamboo stems are split in longitudinal direction and the outer skin is removed. The strips naturally have a light yellow colour (natural), but can be steamed for a light brown colour (caramel).

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

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.

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

extra hard
In this brochure High Density® and Forest are indicated by a hammer.

[Diagram showing the process from bamboo plant to product, including stem to strip and strip to floor with different pressing techniques.]
**MOSO® Bamboo benefits**

- **CO₂ neutral**: All solid MOSO® bamboo floors are officially assessed to be CO₂ neutral or better over the complete lifecycle.
- **healthy**: As a product from nature, MOSO® bamboo floors are anti-static and anti-allergic, and thus facilitate a healthy indoor environment.
- **hard & durable**: With a hardness and density similar to the best hardwood floors, MOSO® bamboo floors are suitable for use even in heavy-duty applications.
- **warranted quality**: MOSO® bamboo floors are of the highest quality and come with a product guarantee of up to 30 years.
- **endless resource**: With a growing speed of up to 1 meter per day bamboo is the fastest growing plant on earth. Bamboo can be harvested without deforestation.
- **high stability**: Because the flooring is composed of multiple individual strips, MOSO® bamboo flooring will shrink and swell less than solid wood species, providing a more stable floor.
- **vast choice**: MOSO® bamboo floors are available in a large variety of configurations, styles and colours to cater to anyone’s preferences.
- **natural beauty**: Inspired by nature, MOSO® bamboo floors are not only a responsible choice but also a stylish one.

MOSO® Bamboo Flooring

MOSO® offers dozens of different bamboo flooring options which are divided into collections. This enables MOSO® to offer a bamboo flooring solution for everyone: Long and wide boards in the Grand Collection for spacious, luxurious living areas; strong and robust floors to withstand tough conditions in the Eternal Collection; and easy to install, economically friendly floors in the Dynamic Collection. The Bamboo X-treme® Collection offers ecological, stable and durable flooring for exterior applications.

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www.moso-bamboo.com/bamboo-flooring
The Grand Collection was especially developed for customers who appreciate the aesthetics of large boards for a spacious and exclusive look. Thanks to the generous dimensions of the boards, the installation can be done relatively fast. The wide choice of colours and finishes in the Grand Collection offers a suitable bamboo flooring for any interior.

Bamboo Elite
MOSO® Bamboo Elite is a 100% bamboo floor board which is relatively long and wide.

Bamboo Elite Premium
MOSO® Bamboo Elite Premium is the most stable and widest bamboo floor board available.

Bamboo UltraDensity®
MOSO® Bamboo UltraDensity® is extremely hard and durable and suitable for the toughest conditions.
MOSO® Bamboo Elite

Long and wide boards - 100% bamboo

The MOSO® Bamboo Elite flooring consists of long and wide boards, with a large choice of bamboo patterns, colours and finishes. Bamboo Elite consists of three layers of solid bamboo strips. Pressing the middle layer crosswise optimises the stability.

MOSO® Bamboo Elite is suitable for anyone who wants original, solid bamboo flooring and certainly for those who wish for a spacious, stylish decor. The large floorboards enrich the interior and are CO₂ neutral.
MOSO® Bamboo Elite Premium

Premium: Longest and widest boards

MOSO® Bamboo Elite Premium flooring boards are even longer and wider than Bamboo Elite and consist of three layers of solid bamboo. The boards are equipped with a click system for easy installation and, thanks to the high stability, can be installed on top of floorheating in a floating installation.

MOSO® Bamboo Elite Premium is perfect for anyone wanting a premium quality, solid bamboo floor that outperforms other flooring in stability and durability. The large bamboo floorboards match any interior and are CO2 neutral.
MOSO® Bamboo UltraDensity®

The solution for heavy duty natural flooring

MOSO® Bamboo UltraDensity® is a solid bamboo flooring board made from compressed bamboo strips with an Ultra-High Density®. Thanks to its unique production method the material is extremely stable, hard and durable and therefore suitable for the toughest conditions: in very high traffic areas and even in semi-outdoor areas (protected from direct rain or sunshine).

The boards are supplied unfinished and have to be finished on site. The boards come with tongue and groove and a bevel on all 4 sides. Additionally Bamboo UltraDensity® is available as a stair panel.

Railway Station Paris - Gare du Nord

Design: AREP
Photography: David Ducastel

Railway Station Paris - Gare du Nord

Design: AREP
Photography: David Ducastel
The Eternal Collection offers the strongest and most robust flooring in the MOSO® assortment. Especially for those looking for flooring that will last a lifetime, flooring from the Eternal Collection will be the best choice. These floors are so strong that they can be installed in the most demanding projects, such as public buildings, offices and restaurants, but are also suitable for residential applications.

Bamboo Supreme

Thanks to its stability, MOSO® Bamboo Supreme is perfectly suited to high traffic areas.

Bamboo Industriale

MOSO® Bamboo Industriale consists of short, solid bamboo strips that provide a ladder pattern for a distinctive look.

Bamboo Industriale Premium

The bamboo strips are connected with a wooden strip at the back of the board and the boards are profiled with a tongue and groove for convenient installation.
MOSO® Bamboo Supreme

Perfect combination of durability and stability

MOSO® Bamboo Supreme offers a wide selection in bamboo patterns and colours. The boards are easy to handle and consist of two layers of bamboo: a 4 mm top layer on a sub layer made of cross pressed strips. The thick top layer ensures a long lifetime. With a total thickness of 10 mm the board is relatively thin compared to other wood flooring. This is an advantage in renovation projects, when the new flooring is installed on top of existing flooring. Thin material allows better heat-transfer than thicker boards and this makes Bamboo Supreme suitable for installation on underfloor heating.

MOSO® Bamboo Supreme is the right flooring when there are high requirements in durability, ecology (proved CO₂ neutral) and stability of the material. Thanks to its stability, Bamboo Supreme is perfectly suited to high traffic areas.

High Density®: width: 96 mm, length: 920 mm, thickness: 10 mm

Plain Pressed / Side Pressed: excellent shown on left page

AkzoNobel Head Office Amsterdam, The Netherlands Design: GROUP A
Photography: Frank Hanswijk
MOSO® Bamboo Industriale

Striking industrial look and strength

MOSO® Bamboo Industriale consists of short, solid bamboo strips that provide a ladder pattern for a distinctive look. The bonded bamboo strips are glued onto the sub floor, sanded, filled and finished by the flooring installer. Because the bamboo flooring consists of small strips, it is very stable, making Bamboo Industriale perfectly suitable for installation on floor heating or in air-conditioned buildings.

MOSO® Bamboo Industriale is the right choice for those who have high requirements for the durability, ecology and stability of the material and want to see a unique pattern on the floor. Thanks to the thick top layer (up to 15 mm), this flooring lasts for many generations and is CO₂ neutral.
MOSO® Bamboo Industriale Premium

Striking industrial look and strength

MOSO® Bamboo Industriale Premium floor boards consist of short, solid High Density® bamboo strips, creating the specific ‘Industriale’ look. The strips are connected with a wooden strip at the back of the board. Additionally, the boards are profiled with a tongue and groove for convenient installation.

Being made of such small strips of High Density® bamboo, the floor is very stable and hard – making it the perfect solution for installation on floor heating and ideal for commercial applications.
The Dynamic Collection offers an economical choice for customers who want natural flooring that is easy to install. It does not mean that these floors are of a lesser quality or offer less choice. In fact, the Dynamic Collection provides the widest range of possibilities in colour, patterns, finishes, and dimensions, matching the latest trends.

**Purebamboo**
MOSO® Purebamboo is purely made of bamboo. This original good quality product is economically interesting.

**Topbamboo**
MOSO® Topbamboo is the easy to install flooring with a top layer of bamboo and a click system.
MOSO® Purebamboo

Economical flooring purely made of bamboo

MOSO® Purebamboo consists of compact solid bamboo boards with a wide choice of bamboo patterns and colours. Purebamboo is made of strips pressed together horizontally (Plain Pressed), vertically (Side Pressed) or compressed together (High Density®). Purebamboo Plain Pressed is the first industrially manufactured bamboo flooring ever developed and introduced by MOSO® on the market; all other bamboo flooring types originate from this product.

MOSO® Purebamboo is the right choice for anyone who wants original, simple, but good quality bamboo flooring. With the different patterns and colours, the flooring matches every interior and contributes to the improvement of the ecological footprint.

MOSO® Dynamic Collection
MOSO® Topbamboo

Plenty of choice in easy to install flooring

MOSO® Topbamboo is an easy to install flooring with a wide choice of colours, patterns and finishes. Topbamboo consists of a bamboo top layer pressed on an HDF core with a soft wood sub layer. Thanks to this construction, the floorboards are very stable.

MOSO® Topbamboo is suitable for anyone who wants affordable bamboo flooring that can be installed quickly. With the variety of colours and textures, including brushed versions, the flooring suits many interiors. The flooring is easy to install thanks to the click system and the convenient size boards.
MOSO® Bamboo Outdoor

With the Bamboo X-treme® Collection, MOSO® has developed a truly ecological and durable alternative to increasingly scarce tropical hardwood for outdoor applications. MOSO® uses a unique process to alter the hardness, dimensional stability and durability to a level superior to the best tropical hardwood species.

For anyone who appreciates a tough, sustainable, high-quality product, with proven environmental benefits, MOSO® Bamboo X-treme® is the logical choice. When exposed to outdoor conditions Bamboo X-treme®, like all hardwood decking, will turn grey over time, giving it a beautiful, natural look (see photo left).
MOSO® floorselector

Important to know

Bamboo Elle
- Bamboo Elle is suitable for high traffic areas.
- Bamboo Elle is not damaged by water.
- Bamboo Elle can be installed fully glued to the subfloor.
- Bamboo Elle is very suitable for heavy traffic, especially with the click system.
- Bamboo Elle can be installed in the HD versions fully glued to the subfloor.

Bamboo Elle Premium
- Bamboo Elle Premium is made of small/thin bamboo strips, so very suitable.
- Bamboo Elle Premium can be installed in the HD versions fully glued to the subfloor.
- Bamboo Elle Premium is very suitable. Advice: choose unfinished version and finish at site.
- Bamboo Elle Premium is very suitable. Micro bevel can hide small seams / small gaps.

Bamboo Supreme
- Bamboo Supreme is suitable for heavy traffic, especially with the click system.
- Bamboo Supreme can be installed in the HD versions fully glued to the subfloor.
- Bamboo Supreme is very suitable. Advice: choose unfinished version and finish at site.
- Bamboo Supreme is very suitable. Due to stability be very careful. Always apply the Prefinished version (prefinished version).

Bamboo Industrial Premium
- Bamboo Industrial Premium is very suitable. Advice: choose unfinished version and finish at site.
- Bamboo Industrial Premium is very suitable. Has to be fully glued to the subfloor.
- Bamboo Industrial Premium must be glued to the subfloor. Relatively low installation costs thanks to boards with tongue and groove.
- Bamboo Industrial Premium must be glued to the subfloor. Not easy glueing to subfloor because of HDF core.

** Flooring installation (not glued to subfloor) vs. fully glued installation**
- Fully glueing to subfloor is necessary.
- Advice: use unfinished versions and lacquer on site to close the surface.
- Advice: choose unfinished and finish at site.
- Advice: choose unfinished and finish at site.

** Simple and low-cost installation**
- Must be glued in the HD versions to the subfloor.
- Factory finish for very easy glueing (click).
- Factory finish for very easy glueing (click).
- Factory finish not for heavy use.

** Commercial use / High traffic areas**
- In heavy commercial use it is important to have a combination of a very hard toplayer and a very strong finish.
- Fully glued to subfloor is advised.
- HD version advised, factory finish not for heavy use.
- Factory finish not for very heavy use.

** Simple and low-cost installation**
- Must be glued in tongue and groove or fully glued to the subfloor.
- Relatively low installation costs thanks to the click system.
- Factory finish for very easy glueing (click).
- Factory finish for very easy glueing (click).

** ECO certification (LEED, FSC®, BREEAM, CO2 neutral)**
- Bamboo is an eco-friendly material, but within the MOSO range there are various ‘grades’ of eco, depending on the applied materials.
- All types are available (exceptress with FSC-certifcate).
- CLEF bambooo.
- CLEF bambooo.

** Choice in looks**
- Bamboo has a very typical look, showing the nodes of the bamboo stem. However by applying different surface treatments, like lacquering, oiling, brushing, staining, many different looks are created.

** Similarity to solid wood flooring planks**
- Bamboo flooring planks can have a similar solid look and feel to wood flooring planks, but with a very typical surface, showing the nodes of the bamboo stem, in the HD versions the bamboo fibers look like wood grains.
- High Density® version available.
- High Density® version available.
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** Bamboo Ultra-Density**
- Long boards are more difficult to glue down due to the low heat transmission.
- Bamboo has a very typical look, showing the nodes of the bamboo stem. In the HD versions the bamboo fibers look like wood grains.
- High stability allows for installation with click system (click system).
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** Bamboo Supreme**
- Bamboo Supreme is suitable for heavy traffic, especially with the click system.
- Bamboo Supreme can be installed in the HD versions fully glued to the subfloor.
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** Bamboo Industrial Premium**
- Bamboo Industrial Premium is very suitable. Advice: choose unfinished version and finish at site.
- Bamboo Industrial Premium is very suitable. Has to be fully glued to the subfloor always.
- Bamboo Industrial Premium must be glued to the subfloor. Relatively low installation costs thanks to boards with tongue and groove.
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Full conditions to install on floor heating-cooling:
- www.moso-bamboo.com/floor-heating-cooling

Full conditions to install on project coating:
- www.moso-bamboo.com/floor-selector
MOSO® Bamboo Flooring: a sustainable choice!

MOSO® Bamboo Flooring offers clear sustainability advantages in each phase and is even proven CO2 neutral over the full life cycle! To determine the eco-impact of a floor, every phase of the life cycle should be taken into account.

**growth phase**
- Made from the extremely rapidly renewable giant bamboo species “Moso”, renowned for its CO2 absorbing and O2 producing capacity.
- Abundantly available in China (approx. 7 mil ha) and always sourced from sustainably managed forests and plantations.
- The Moso bamboo plant consists of multiple stems. As a result, several stems may be harvested each year without killing the mother plant.
- Optional: MOSO® Bamboo FSC®-certified (most important ecolabel for sustainable wood sourcing).

**production phase**
- All MOSO® Bamboo Floors are made in production facilities that are ISO 9001 and ISO 14001 (important quality standards) certified.
- Optional: use of eco-friendly adhesive with no added formaldehyde, complying with the strictest emissions norm: E0 (EU requisite = E1).

**use phase**
- Durable = Sustainable: because of the high hardness, density and stability, MOSO® Bamboo Flooring lasts very long (less replacement) even in tough circumstances.
- Proven Quality: all MOSO® Bamboo Flooring Products meet the requirements of EN 17009 and are guaranteed up to 30 years.
- Healthy indoor climate: very low emissions of volatile organic compounds (VOCs). MOSO® floors have been rated A and A+ in France with respect to VOC emissions: the best classification possible!
- Extra credits for sustainable building eco-labels, such as BREEAM and LEED.

**end of life phase**
- As a non toxic, natural material, MOSO® Bamboo Floors offer no restrictions in the end-of-life phase.
- If maintained well, MOSO® Bamboo Flooring may be reused in similar applications (upcycling). If this is not possible, MOSO® Flooring may be safely used as input material for the chipboard industry (downcycling).
- If up- or downcycling is not possible, it is recommended to use the bamboo material as sustainable substitute for fossil fuels in a biomass energy plant for the production of green energy.

**carbon footprint**

- MOSO® Bamboo Flooring: 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-bamboo.com/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”).
- 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).

**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).

**www.moso-bamboo.com/durable**
about MOSO®

MOSO International was founded in the Netherlands in 1997. Since then, MOSO® has evolved to become the unchallenged European market leader in the development of innovative and sustainable bamboo products for interior and exterior applications.

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 the MOSO® Bamboo Flooring and MOSO® Outdoor product groups, MOSO® offers a very broad assortment of Bamboo Panels, Veneer and Beams in many sizes, thicknesses, colours and textures. These products are used worldwide in many applications including wall covering, ceilings, window frames, doors, stairs, furniture and kitchens, providing an ideal combination with the MOSO® flooring assortment.

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), Iberostar and CitizenM Hotels. For an overview of our references and clients please visit our website: www.moso-bamboo.com/references.
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