



# MOSO®

## Bamboo X-treme®

the only certified  
and sustainable  
bamboo decking





**bamboo:  
the fastest  
growing plant  
in the world**



# bamboo x-treme®

With MOSO® Bamboo X-treme® you can create a **beautiful deck** made of natural-grown bamboo, for your **deck, balcony, swimming pool area** or other **outdoor spaces**. The truly **ecological** and **durable** alternative for increasingly scarce tropical hardwood offers you the touch, feel and look of a natural material. **Bamboo X-treme®** is available in a wide range of products including **decking, siding, 1x4 T&G, fascia/trim boards** and **2x outdoor beams**.

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x-tremely impressive 31



► [www.moso-bamboo.com/x-treme](http://www.moso-bamboo.com/x-treme)

📷 Lior Teitler





# x-tremely beautiful

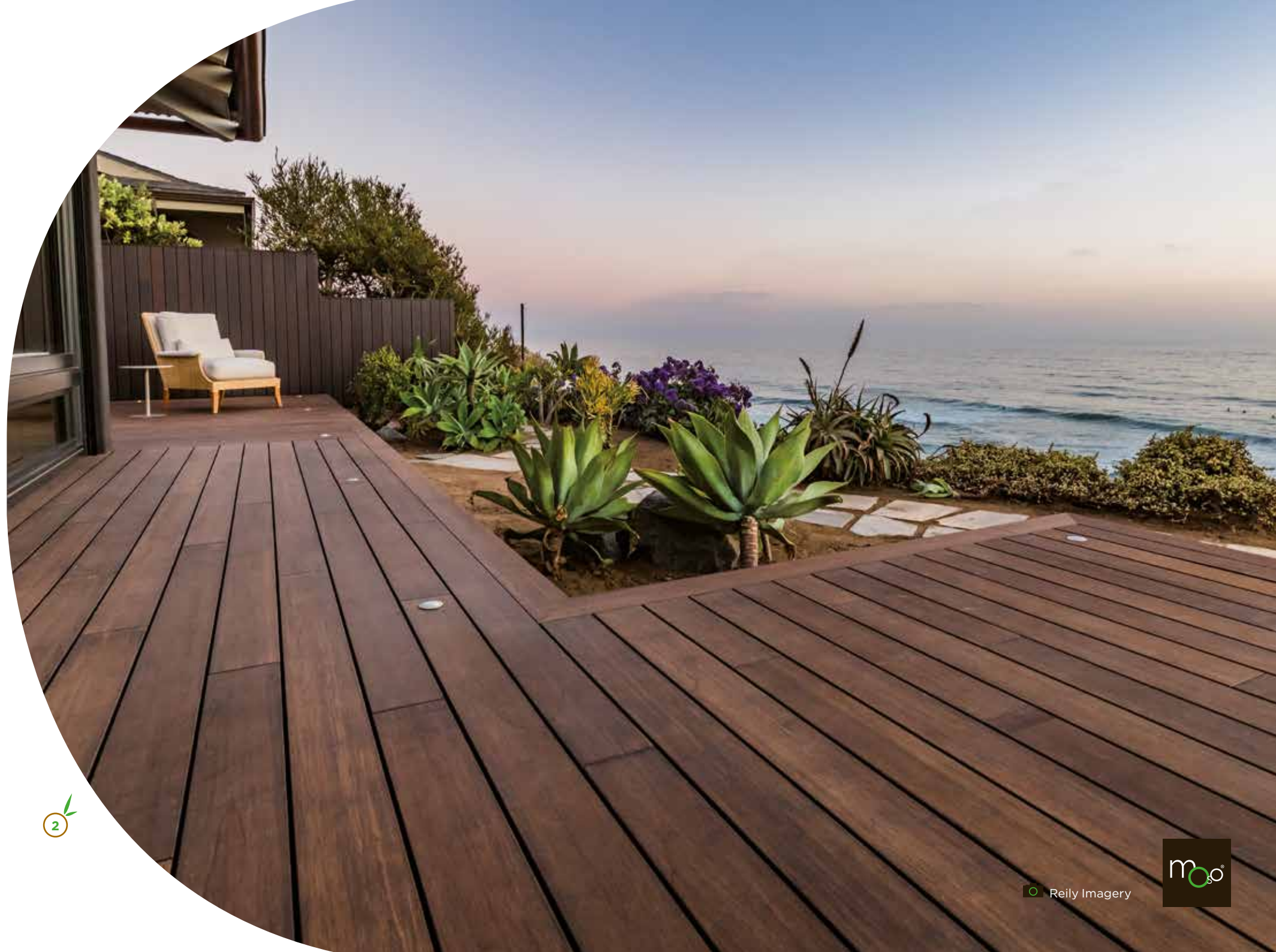
Enrich your garden, porch or roof area with MOSO® Bamboo X-treme®, the natural, fast growing alternative to hardwood. Similar to hardwood, you can determine the look depending on the finish you choose.



Raquel Martínez



For more information  
about these references  
please go to page 28.



Reily Imagery







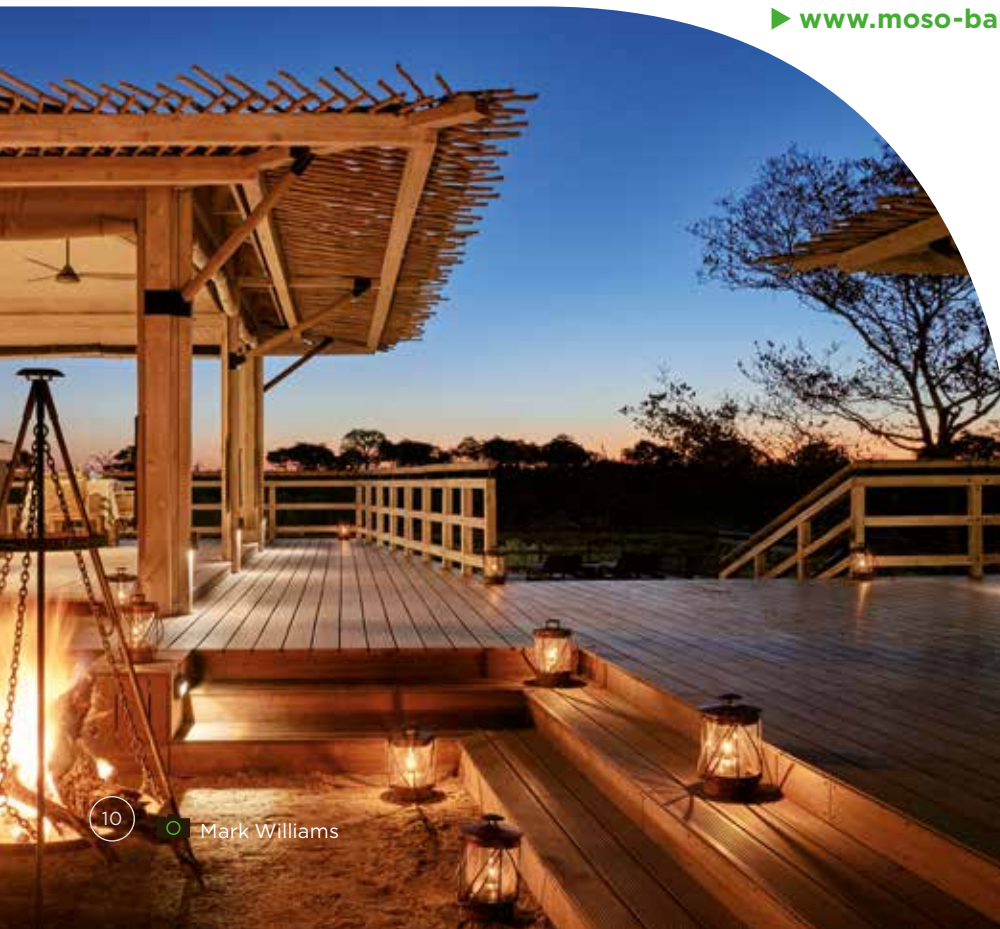


# x-tremely durable



MOSO® Bamboo X-treme® is engineered to last for a lifetime. Thanks to a special, patented, Thermo-Density® production process, it is very durable. The proof is the 30 million sqft already installed in various different climates all over the world.

► [www.moso-bamboo.com/durable](http://www.moso-bamboo.com/durable)



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Mark Williams



For more information  
about these references  
please go to page 28.



Lior Teitler







Roberto de Lara

**x-tremely  
tough conditions:**  
high traffic, around  
swimming pools,  
near coastlines  
and in extreme  
climates.



Elad Gonen

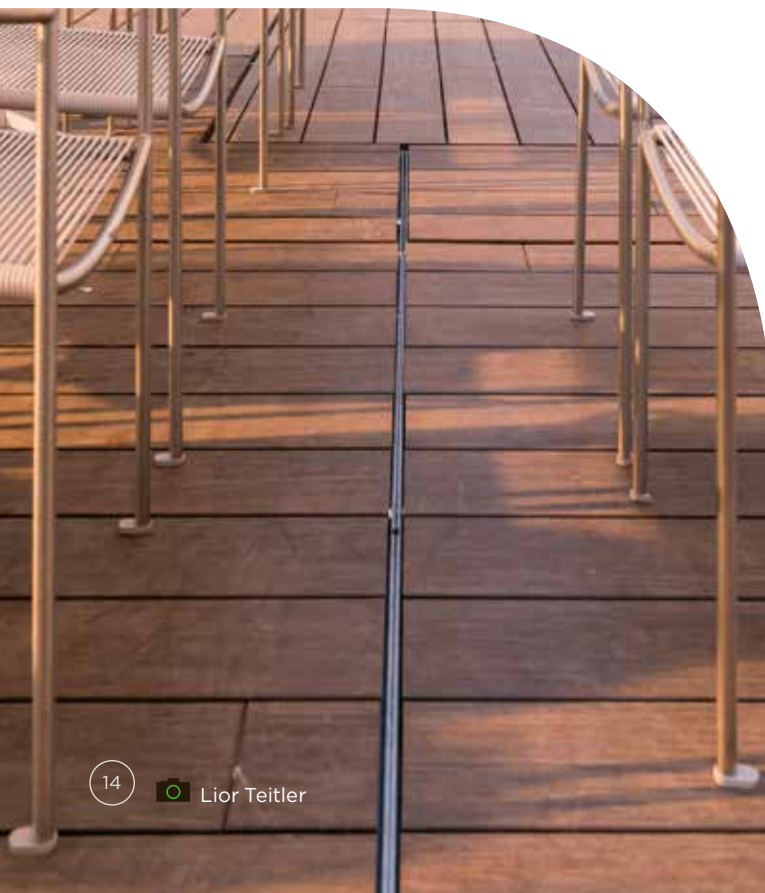


For more information  
about these references  
please go to page 28.



# x-tremely stable

MOSO® Bamboo X-treme® is very stable, enabling the use of hidden fasteners (clips) to fix the boards. It is even possible to create special patterns. The superior stability has another major advantage: it allows an end-matched system to create any length without big gaps.



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📷 Lior Teitler



For more information  
about these references  
please go to page 28.

📷 Reilly Imagery

m<sub>o</sub>o







# x-tremely versatile

Depending on the finish and surface treatment you can define your own style of choice with MOSO® Bamboo X-treme® decking. Each board has a smooth and a reeded side: just choose the one you like best! In addition to Bamboo X-treme® decking, we offer siding, 1x4 T&G, fascia/trim boards and 2x outdoor beams.



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📷 Aryeh Kornfeld K.

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For more information  
about these references  
please go to page 28.



📷 Lior Teitler

m<sub>o</sub>o





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David Ducastel (Phileas Fotos)



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# x-tremely well made



Moso bamboo is one of the fastest growing plants on earth. The bamboo stems grow from an underground root system and after 5 years a stem can be harvested, while the others continue to grow. This means the bamboo can be used without destroying the forest. After harvesting, the Moso bamboo stems are split and the outer skin is removed. By modifying the bamboo strips with a special unique Thermo-Density® process, the dimensional stability of bamboo is improved by approx 50%. The heat-treatment at 392°F (200°C) also ensures protection against superficial fungi and provides the highest durability class possible. After compressing the heat-treated bamboo strips, the material is stronger and harder than almost any other hardwood. That is why we call it: MOSO® Bamboo X-treme®.

harvesting after  
5 years



split the Moso  
bamboo stems,  
remove  
the outer  
skin and  
crush  
the strips



modify the bamboo strips  
with a heat-treatment at  
200°C



compressing the  
strips into High  
Density® material



finally creating  
the final profile  
and surface



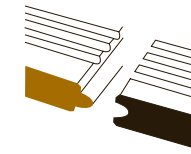
**MOSO® Bamboo X-treme®:**  
material more stable, harder  
and stronger than almost any  
other hardwood in the world!

# x-tremely unique



## hard & durable

The only bamboo decking with durability class 1 (EN 350) tested following European standard CEN/TS 15083-2. Exceptionally hard: Brinell > 1,350 psi.



## high stability

More stable than most tropical hardwoods - enabling end-matched connection (impossible with any other hardwood).



## easy to install

Very easy to install thanks to the fixed board length (1x6 ft / 1830 mm) and (invisible) MOSO® fasteners.



## economical

Simple and fast installation: Up to 30% savings in costs! Reduced loss of material because of the end-matched installation.



## beautiful appearance

A beautiful, natural hardwood look. Choice for natural graying or keeping brown color through maintenance.



## endless resource

Made from Moso bamboo, the fastest growing plant on earth. Consisting of > 90% natural bamboo.



## CO2 neutral

Official LCA and carbon footprint studies (ISO 14040/44) confirm that Bamboo X-treme® is CO2 neutral over the full life cycle.



## fireproof

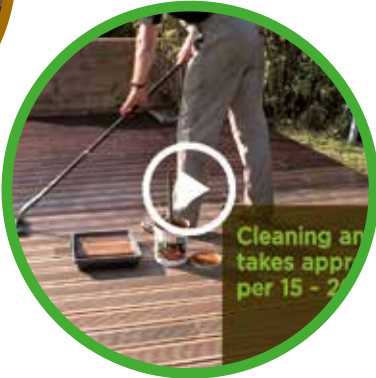
Achieves flame spread index Class A following US standard ASTM E84 and class Bfl-s1 following EN 13501-1 facilitating application in public projects.



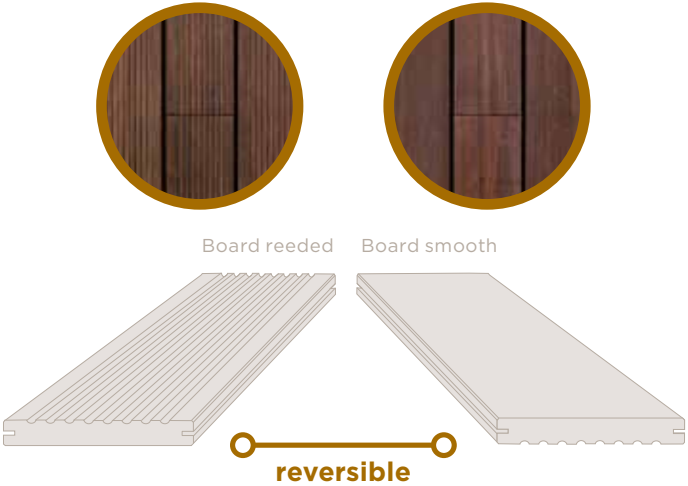


# x-tremely easy to install

Moso Bamboo X-treme's 6' end matched decking system brings an ease of installation unlike any other to your project. With straight, flat and true boards contractors can save up to 30% on installation when compared to any tropical hardwood. The unique Thermo-Density® method produces a more stable product than any other natural material on the market today.



**x-tremely easy**  
check out the  
Bamboo X-treme®  
installation and  
maintenance movie at:  
► [www.moso-bamboo.com/x-treme](http://www.moso-bamboo.com/x-treme)



Product	Code	Size	Dimensions (")
Board unfinished (2 grooves)	BO-DK20-G2-UF	1 x 6 x 6	3/4 x 5-3/8 x 72
Board pre-primed (2 grooves)	BO-DK20-G2-PP	1 x 6 x 6	3/4 x 5-3/8 x 72
Board unfinished (1 groove)	BO-DK20-G1-UF	1 x 6 x 6	3/4 x 5-3/8 x 72
Board pre-primed (1 groove)	BO-DK20-G1-PP	1 x 6 x 6	3/4 x 5-3/8 x 72
Board unfinished (2 grooves)	BO-DK23-G2-UF	1 x 8 x 6	3/4 x 7 x 72
Fastener + screw	CLIP-SCREW-BX06		
Siding (unfinished)	BO-SID18-137	1 x 6 x 6	3/4 x 5-3/8 x 73
Siding (unfinished)	BO-SID18-178	1 x 8 x 6	3/4 x 7 x 73
1x4 T&G pre-primed	BO-POR18-96-PP	1 x 4 x 6	3/4 x 3-7/8 x 72
Fascia/trim board (unfinished)	BO-LUM20-205	1 x 8 x 6	3/4 x 8 x 73-1/4
Fascia/trim board (unfinished)	BO-LUM20-305	1 x 12 x 6	3/4 x 12 x 73-1/4
Fascia/trim board (unfinished)	BO-LUM40-152	2 x 6 x 6	1-1/2 x 6 x 73-1/4



Siding board



Fascia/trim board



new, non-weathered decking    after 3 months of weathering    after 18 months of weathering

**appearance and color**  
Bamboo X-treme® is a natural product, which can vary in color, grain and appearance. The color will change over time depending on the maintenance schedule. The boards have a brown to dark brown color when installed, which turns into a lighter caramel color in the weeks after installation. Without further maintenance the color will turn gray as a result of UV radiation (similar to most other wood species).



after 12-18 months weathering    after brushing & cleaning    after treatment with decking oil

**maintenance and cleaning**  
Under the influence of wind, rain, sun and snow the decking will weather. Unfinished decking should be treated with a suitable exterior oil after installation. Annual cleaning and maintenance of your MOSO® Bamboo X-treme® decking is recommended. Check out the complete maintenance and cleaning instruction at:  
► [www.moso-bamboo.com/x-treme-maintenance](http://www.moso-bamboo.com/x-treme-maintenance)

**around swimming pools**  
As with any wooden product used outdoors, there is always a risk of splinters arising, however splinters from Bamboo X-treme® are normally smaller than (tropical) hardwood splinters. A regular cleaning, maintenance, and application of oil (more frequently around pools) is recommended to keep the surface smooth.



# x-tremely sustainable

MOSO® Bamboo X-treme® offers clear sustainability advantages and is even proven to be CO<sub>2</sub> neutral over its full life cycle! The inclusion of Bamboo X-treme® contributes to a higher LEED and BREEAM certification score for green building projects. That's one of the reasons why you can find the decking and other MOSO® products in many sustainable reference projects all over the world.

► [www.moso-bamboo.com/sustainability](http://www.moso-bamboo.com/sustainability)



breeam  
★★★★★  
excellent

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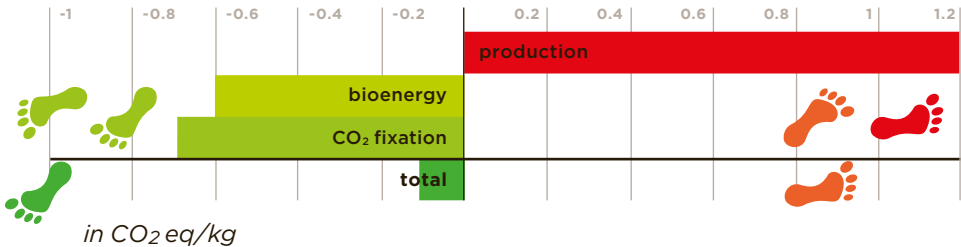


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## carbon footprint

### MOSO® Bamboo X-treme®: CO<sub>2</sub> neutral over full life cycle

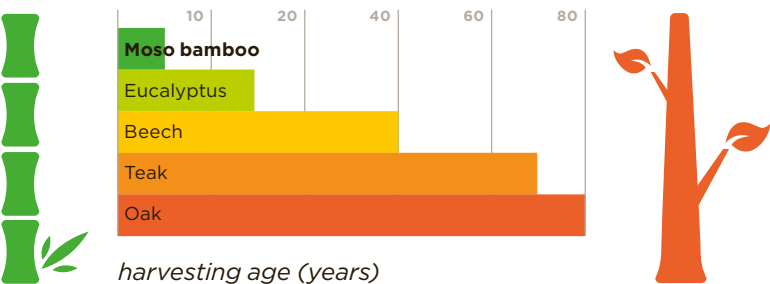
MOSO® has commissioned Delft University of Technology to conduct an official LCA and carbon footprint study. The report ([www.moso-bamboo.com/lca](http://www.moso-bamboo.com/lca)) concludes that all assessed MOSO® products (all solid bamboo flooring, decking, beams, panels and veneer) are CO<sub>2</sub> negative over the full life cycle ("cradle till grave"). In this result the high growth rate 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-bamboo.com/epd](http://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. Thus, in contrast to tropical hardwood, there is no deforestation taking place for the production of MOSO® Bamboo X-treme®.



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# x-tremely nice references

- 1

Hotel OD Barcelona  
▶ [moso-bamboo.com/hotel-OD](https://moso-bamboo.com/hotel-od)
- 2

Private Residence Solana Beach  
▶ [moso-bamboo.com/solana](https://moso-bamboo.com/solana)
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Hotel Iberostar Praia do Forte  
▶ [moso-bamboo.com/praiadoforte](https://moso-bamboo.com/praiadoforte)
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Villa Partenope  
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Belmond Savute Elephant Lodge  
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Head office Jumbo  
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Ushuaia Ibiza Beach Hotel  
▶ [moso-bamboo.com/ushuaia](https://moso-bamboo.com/ushuaia)
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Beach promenade Tel-Aviv  
▶ [moso-bamboo.com/promenade](https://moso-bamboo.com/promenade)
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Apartment blocks “De Drie Hofsteden”  
▶ [moso-bamboo.com/hofsteden](https://moso-bamboo.com/hofsteden)
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Paris Expo Porte de Versailles  
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Renovation City Centre Leverkusen  
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Niverplast rooftop terrace  
▶ [moso-bamboo.com/niverplast](https://moso-bamboo.com/niverplast)
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PSES University  
▶ [moso-bamboo.com/pses](https://moso-bamboo.com/pses)
- 20

Venco Campus  
▶ [moso-bamboo.com/venco](https://moso-bamboo.com/venco)
- 21

The Gas Museum  
▶ [moso-bamboo.com/gas](https://moso-bamboo.com/gas)

Apartments Residenza Lotus  
Switzerland



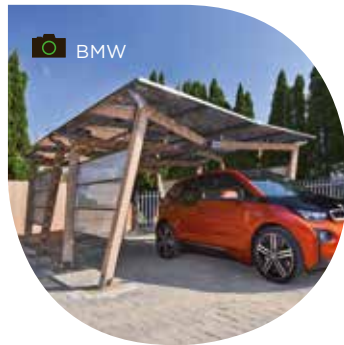
Change = Youth Housing  
The Netherlands



Hotel Jakarta Amsterdam  
The Netherlands



BMW Solar Carport  
South Africa



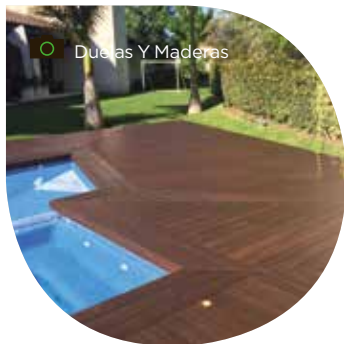
Guggenheim Museum  
Spain



Villa Cap d'Antibes  
France



Private Residence  
Mexico



Head Office Südwestmetall  
Germany



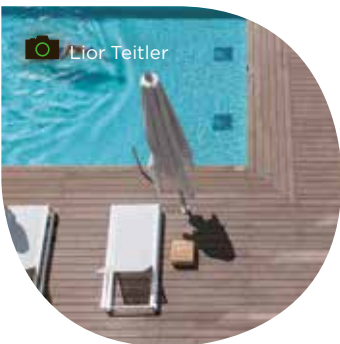
Lexus Lounge  
Belgium



Schiphol Airport  
The Netherlands



Apartments Meier On Rothschild  
Israel



The Versailles Apartment Complex  
United States of America



Villa Tossa De Mar  
Spain



Private Residence  
Portugal



Madrid International Airport  
Spain



CityLife Shopping District  
Italy



MOSO® world leader in bamboo solutions  
[www.moso-bamboo.com/references](https://www.moso-bamboo.com/references)





## about MOSO®

MOSO International was founded in the Netherlands in 1997. Since then, MOSO® has evolved to become the unchallenged **World 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, Milford (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 Outdoor products, MOSO® offers a very broad assortment of **Bamboo Flooring, Panels, Veneer** and **Beams** in various sizes, thicknesses, colors and textures. These products are used worldwide in various applications ranging from wall covering, ceilings, window frames, doors, stairs, furniture and kitchens, providing an ideal combination with the MOSO® Outdoor assortment.

Furthermore, because of its expertise, MOSO® is able to develop **unique, customized bamboo solutions** for industrial clients, meeting exceptionally stringent requirements. Through its experience, innovative attitude and world-wide network, MOSO® is recognized 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](http://www.moso-bamboo.com/references).



# since 2008 over 30 million sqft installed in more than 50 countries

► [www.moso-bamboo.com/x-treme](http://www.moso-bamboo.com/x-treme)

○ Lior Teitler





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**bamboo**  
x-treme