

MOSO[®] Bamboo X-treme[®]

Stable, sustainable
and durable
bamboo decking



Bamboo: the fastest
growing plant
in the world



MOSO® Bamboo X-treme®

With MOSO® Bamboo X-treme® you can create a **beautiful deck** for your **yard, patio, rooftop**, and even **pool decks**. MOSO® Bamboo X-treme® is the **sustainable** alternative to tropical hardwoods and thermally modified wood products. Bamboo X-treme® offers a complete range of products to complete your next decking project. **MOSO® Bamboo X-treme®** is also available in **trim fascia, rainscreen**, and **fencing**.

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▶ www.moso-bamboo.com/x-treme

Imagine Africa Luxury Tented Camp
Tim Baynham - Wildlife Safety Solutions

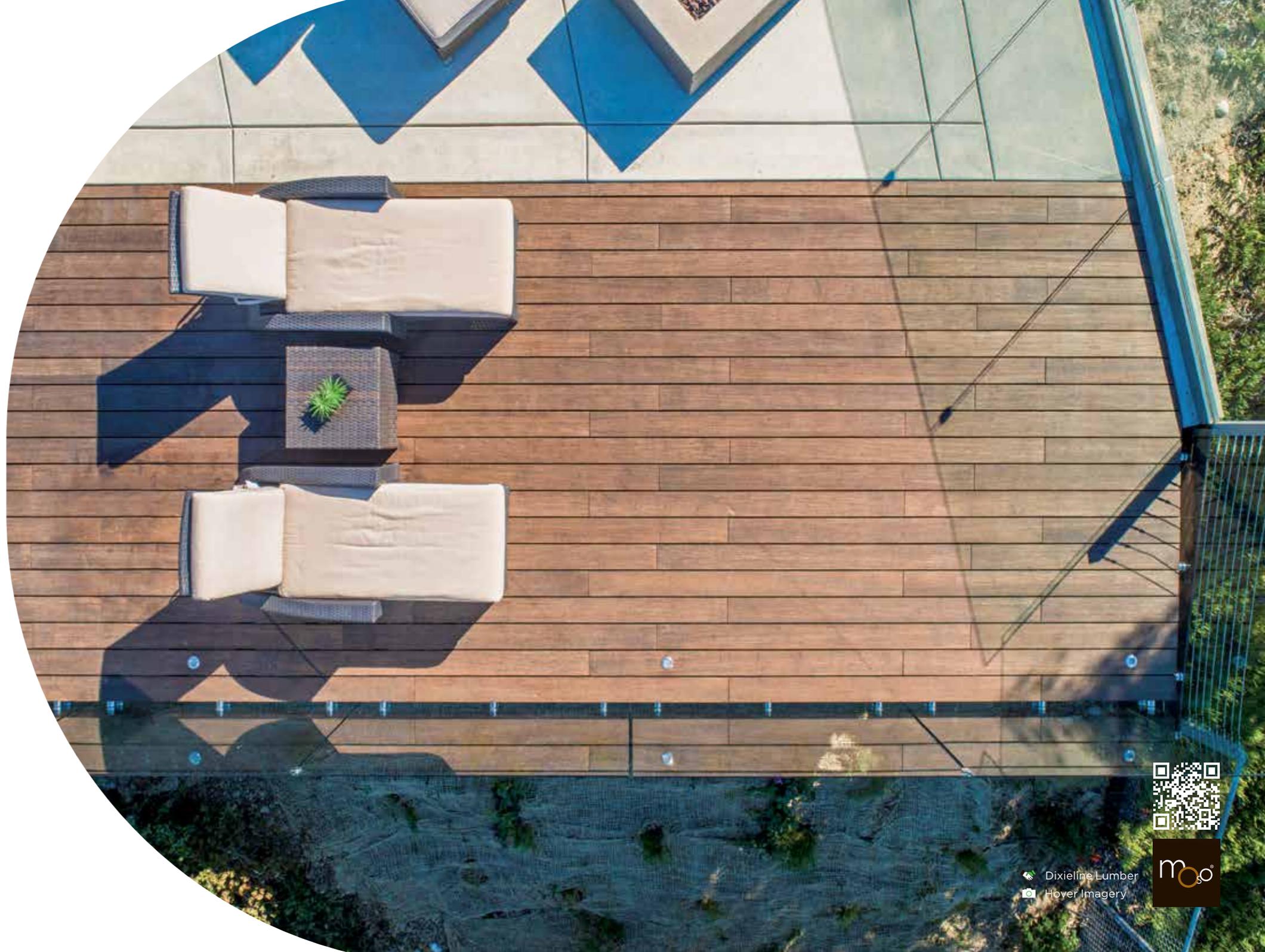


X-tremely beautiful

Enrich your backyard, balcony or roof deck with MOSO® Bamboo X-treme®, the natural, fast growing alternative to tropical hardwood. MOSO® Bamboo X-treme® should be the 1st choice when considering natural decking materials. Bamboo X-treme® has a uniquely beautiful appearance that ages and weathers similar to hardwood, but with better performance.



Dror Golan
Lior Teitler



Dixieline Lumber
Hoyer Imagery





8 Fraser Decks & Patio Covers
Reily Imagery



Haladesign Landschaftsplanung
Qin (Andy Andresen)



X-tremely durable



MOSO® Bamboo X-treme® is engineered to last a lifetime. Our Thermally modified Bamboo X-treme® has been installed throughout the world. From Northern Europe to the Middle East; from Lake Muskoka to Argentina, over 55 million square feet sold world wide!

► www.moso-bamboo.com/durable



**X-tremely
tough conditions**

High traffic, around swimming pools, near coastlines and in extreme climates.



X-tremely stable

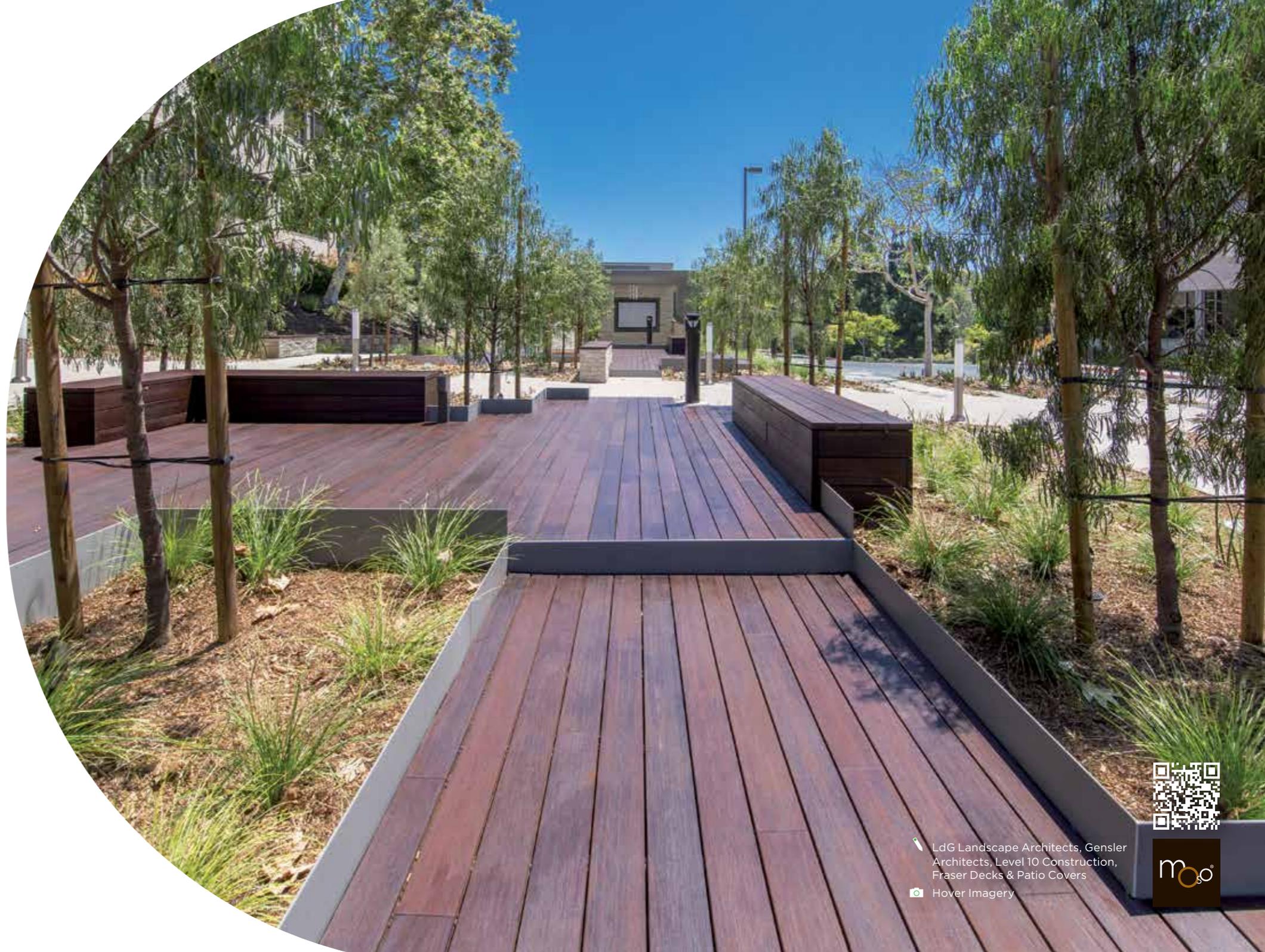
MOSO® Bamboo X-treme® has unmatched stability in competing natural materials. Stability means little to no dimensional change with changes in temperature and humidity. Bamboo X-treme® does not cup, bow or twist like wood.

Riberach Hotel photo taken 8 years after installation
(18,000 sqft) Bélesta, France



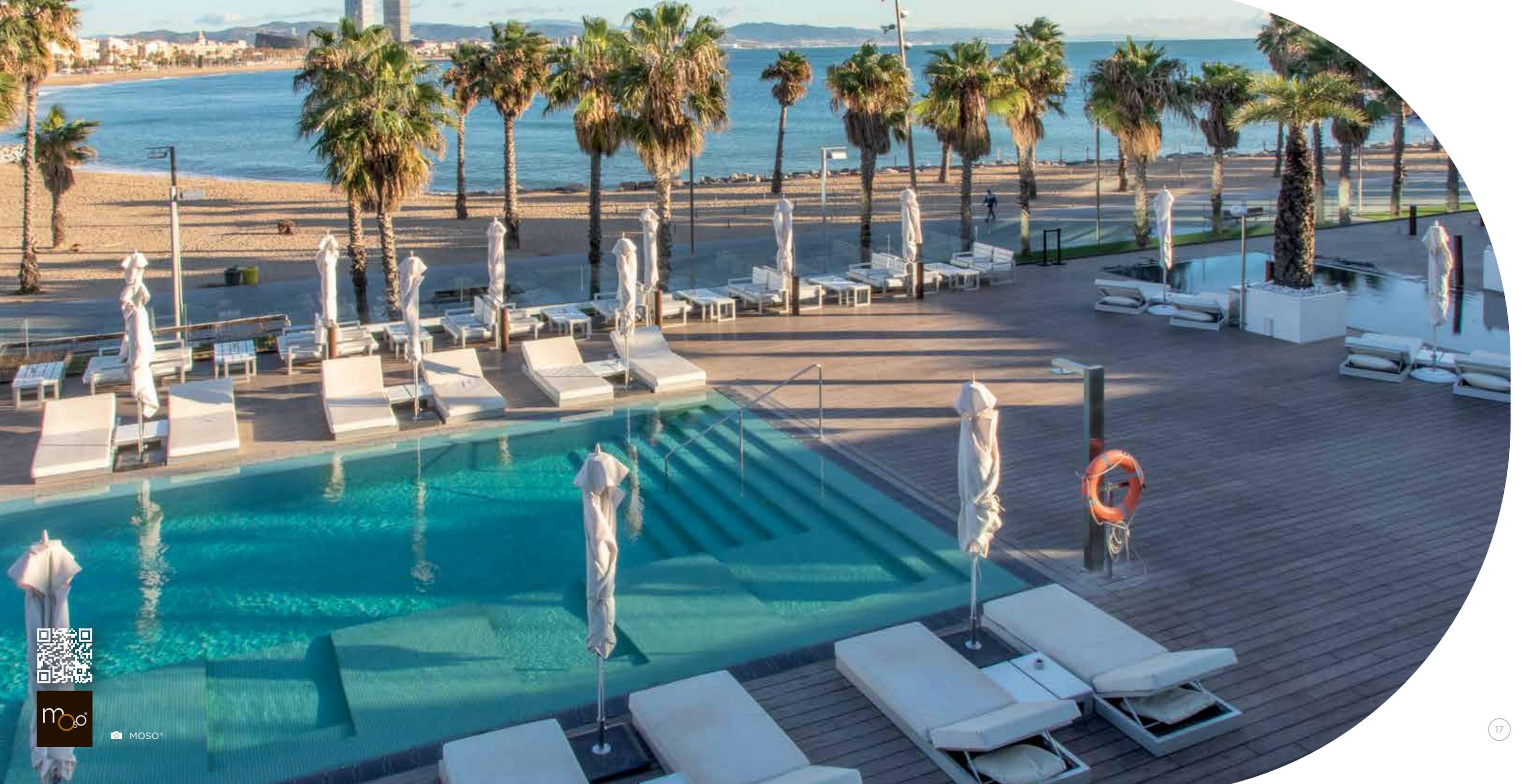
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Luc Richard



LdG Landscape Architects, Gensler
Architects, Level 10 Construction,
Fraser Decks & Patio Covers
Hover Imagery

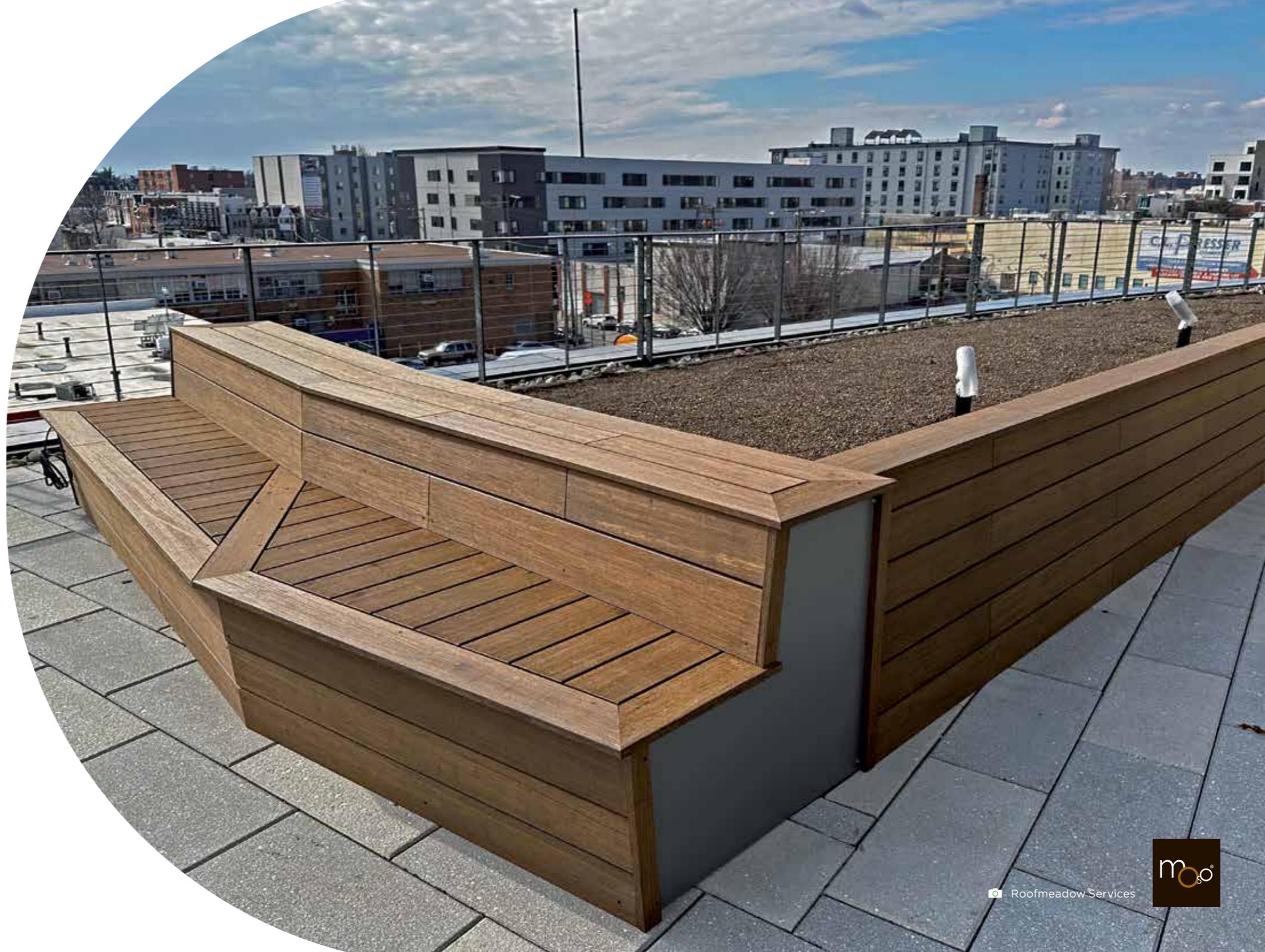


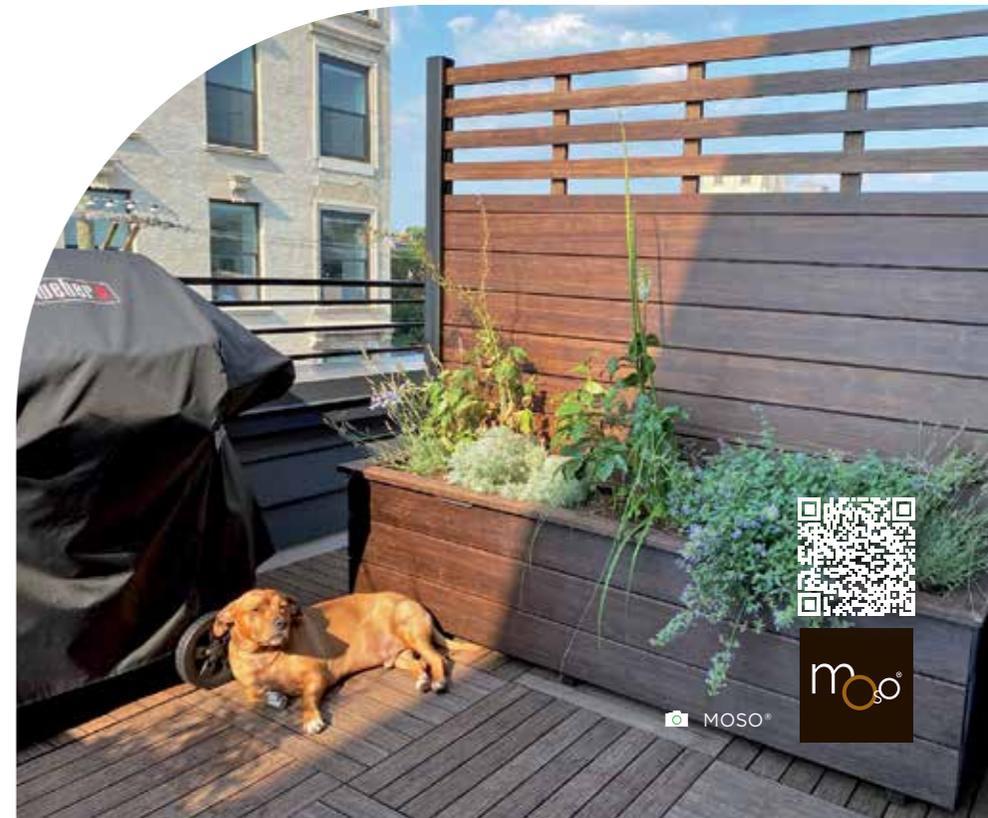


📷 MOSO®

X-tremely versatile

MOSO® Bamboo X-treme® is available in more than just 1x6 decking. Bamboo X-treme® is available in 1x4 for trim and corners, 1x8 and 1x12 for fascia and risers. 2x2, 2x4 and 2x6 are available for rail and site furnishing elements.





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 4-5 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 and inner skins are removed. By modifying the bamboo strands with a unique Thermo-Density® process, the dimensional stability of bamboo is improved by over 50%. The heat-treatment at 392°F also ensures protection against superficial fungi and provides the highest durability class possible. After compressing the heat-treated bamboo strands, the material is stronger and harder than almost any other hardwood. That is why we call it: MOSO® Bamboo X-treme®.

ready to harvest after 4-5 years



modifying the bamboo strands with a heat-treatment at 392°F



compressing the strands into Thermo-Density® material



finally creating the final profile and surface



split the Moso bamboo stems, remove the skins and crush the strips into strands

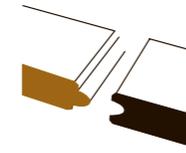


MOSO® Bamboo X-treme®: material more stable, harder and stronger than almost any other hardwood in the world!

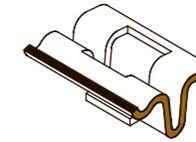
X-tremely unique



hard & durable
Bamboo decking with Durability Class 1 (EN 350) tested following CEN/TS 15083-2 (simulated graveyard test). Exceptionally hard: Brinell ± 9.5 kg/mm².



high stability
Far more stable than most tropical hardwoods - enabling end-matched (tongue and groove) installation (impossible with any other hardwood).



easy to install
Very easy to install and uninstall thanks to the fixed board length (1x6 ft / 1830 mm) and fixing with MOSO® Fasteners.



economical
Simple and fast installation: Up to 30% savings in costs! Reduced waste of material because of tongue and groove end-matched installation.



beautiful appearance
A beautiful, natural hardwood look. Choice of natural greying or keeping brown color through maintenance.



endless resource
Made from bamboo, the fastest growing plant on earth. Each stem can be harvested after 4-5 years, and the plant continues to grow. Consisting of approx. 90% natural bamboo.



CO2 neutral
Official LCA and carbon footprint studies (EN 15804) confirm that MOSO® Bamboo X-treme® is CO2 neutral during the product lifespan*.

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



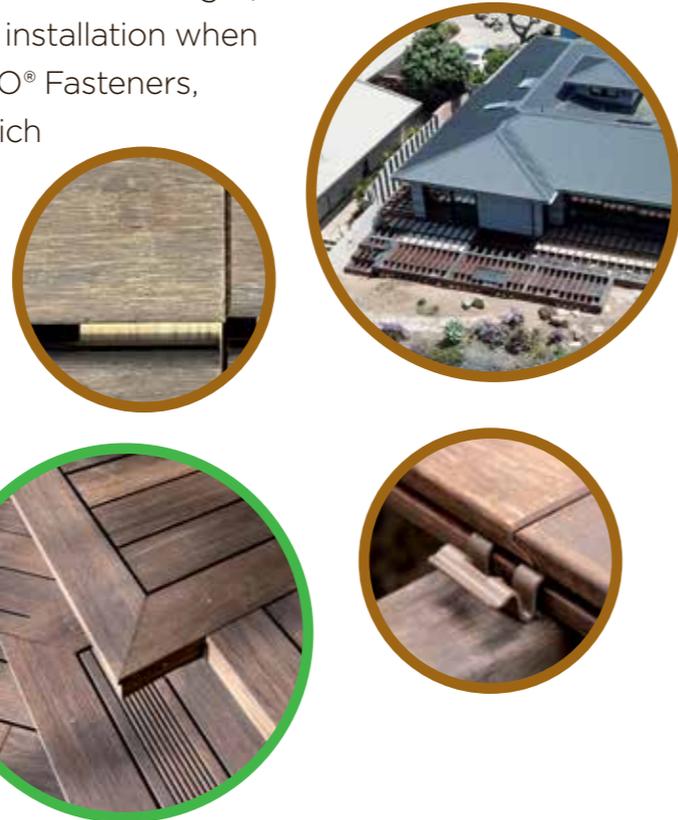
fire resistant
Meets Class A flame spread designation both ASTM E84 and CAN/ULC S102-10 testing parameters. WUI listing: 8110-2278:0500. Fire resistance Class Bfl-s1 following EN 13501-1 facilitating application in public projects.



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. With MOSO® Fasteners, no screws are visible on the grooved boards which contributes to the beautiful appearance. Pro-plugs from Starborn are also available for instances when face screws must be used.



X-tremely easy

Check out the Bamboo X-treme® maintenance movie at:

▶ www.moso-bamboo.com/youtube/minutes

and our installation instructions at:

▶ www.moso-bamboo.com/x-treme

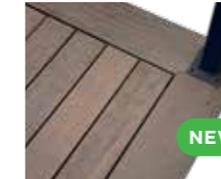


X-tremely complete

1 x 4 Field Decking Board (reversible)



1 x 8 Perimeter Board (reversible)



1 x 4 Multi-purpose Board (reversible)



1 x 8 Fascia / Lumber Board (reversible)



2 x 2 Beam / Lumber



Application (unfinished)	Product Code	Size	Dimensions (")	Surface	Profile
Field Decking Board	BO-DK20-G2-96UF	1 x 4 x 6	3/4" x 3-7/8" x 72"	Smooth / Smooth	G2, MB, EM
	BO-DK20-G2-UF	1 x 6 x 6	3/4" x 5-3/8" x 72"	Smooth / Reeded	G2, MB, EM
	BO-DK23-G2-UF	1 x 7 x 6	3/4" x 7" x 72"	Smooth / Reeded	G2, MB, EM
Perimeter Board / Trim	BO-DK20-G1-UF	1 x 6 x 6	3/4" x 5-3/8" x 72"	Smooth / Reeded	G1, MB, EM
	BO-DK20-G1-205UF	1 x 8 x 6	3/4" x 8" x 72"	Smooth / Smooth	G1, MB, EM
Multi-purpose Board (face screw decking or trim)	BO-DK20-G0-137UF	1 x 6 x 6	3/4" x 5-3/8" x 72"	Smooth / Smooth	G0, S4S E4E, EE
	BO-DK20-G0-96UF	1 x 4 x 6	3/4" x 3-7/8" x 72"	Smooth / Smooth	G0, S4S E4E, EE
Fascia / Lumber	BO-LUM20-205	1 x 8 x 6.1	3/4" x 8" x 73-1/4"	Smooth / Smooth	S4S E4E, SE
	BO-LUM20-305	1 x 12 x 6.1	3/4" x 12" x 73-1/4"	Smooth / Smooth	S4S E4E, SE
Beams / Lumber	BO-DTHT2173-2-UF	2 x 2 x 6.65	1 1/2" x 1-1/2" x 79"	Smooth / Smooth	S4S E4E, SE
	BO-DTHT2175-2-UF	2 x 4 x 6.56	1 1/2" x 3-1/2" x 79"	Smooth / Smooth	S4S E4E, SE
	BO-LUM40-152	2 x 6 x 6.1	1 1/2" x 6" x 73-1/4"	Smooth / Smooth	S4S E4E, SE

G2: Lenght groove on both sides, **G1:** Lenght groove on one side, **G0:** No grooves, **MB:** Macro Bevel, **EM:** End-Matched (tongue & groove on ends), **EE:** Eased Edges, **SE:** Square Edges.

Product	Product Code	Discription	Material	Color
Fastener Asymmetric	CLIP-SCREW-BX08	A-symmetrical fasteners with screws for Bamboo X-treme Decking (20 mm)	Stainless steel A2 (AISI304)	Brown
Fastener Asymmetric	CLIP-SCREW-BX08-316	A-symmetrical fasteners with screws for Bamboo X-treme Decking (20 mm)	316 Stainless steel	Brown
Screw	SCREW-BX11-01	Screws for aluminium sub frame joist	Stainless steel A2 (AISI304)	Black/Silver*
Pro Plug	PROPLUG-NOSCREW	Set 100 plugs		
Pro Plug System	PROPLUG-SMART	Proplug Smart Bit drilling and countersink toll #8 Trim head		

*) Only black screw head



Fraser Decks & Patio Covers
Reily Imagery

X-tremely sustainable



MOSO® Bamboo X-treme® offers clear sustainable advantages and is even proven to be CO₂ neutral during the product lifespan! The inclusion of Bamboo X-treme® 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® Bamboo X-treme® and other MOSO® products in many sustainable reference projects all over the world.

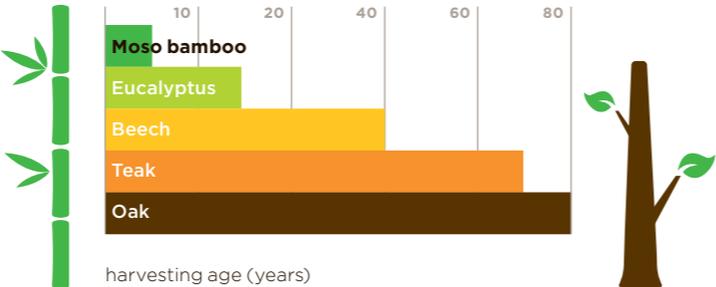
► www.moso-bamboo.com/sustainability



26 Alarona Tècnics
Pau Palaciós

unsurpassed growing speed

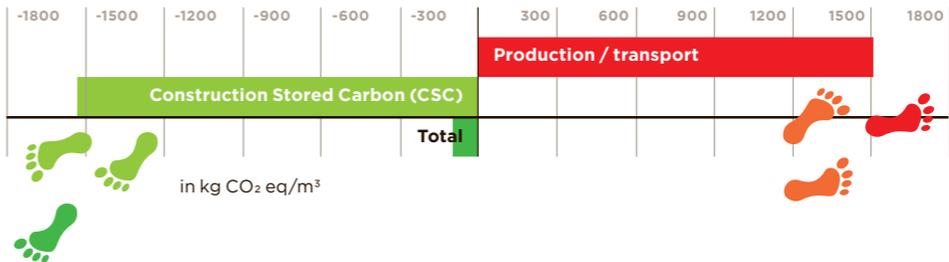
bamboo: the fastest growing plant in the world
Because of the fast growth, Moso bamboo is managed as an agricultural crop: the annual harvest of the 4 to 5-year-old stems - compared to 60-80 years for tropical hardwood! - provides a steady annual income to farmers and stimulates the bamboo plant to reproduce even faster. Therefore, by default, no deforestation occurs with production of MOSO® Bamboo X-treme®, while large amounts of CO₂ are captured in the bamboo forests and products (www.inbar.int/understanding-bamboos-climatechange-potential).



carbon footprint

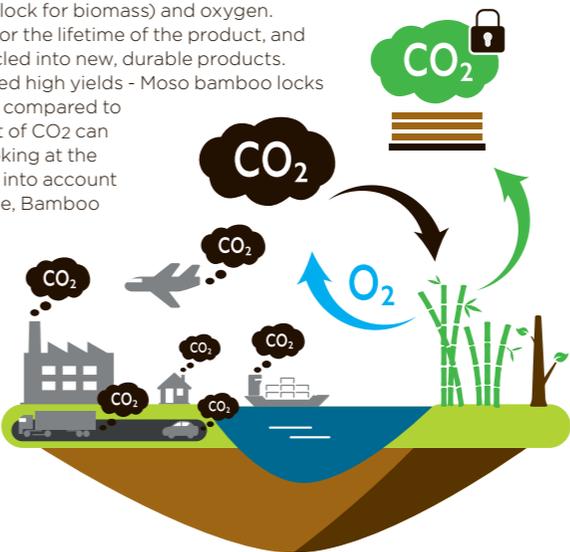
MOSO® Bamboo X-treme®: CO₂ neutral during the product lifespan*
MOSO® has conducted several LCA studies, including carbon footprint studies together with Delft University of Technology (TU Delft) and NIBE (LCA experts). The 2015 LCA report, available at www.moso-bamboo.com/lca, was the first of its kind 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.



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, Bamboo X-treme® locks almost 1.700 kg CO₂ per m³ of bamboo, which is the equivalent of the CO₂ emissions of 14.250 km driven by a mid-range car.



The average
400sf
MOSO®
Bamboo
X-treme®
Deck
captures
2,600lbs
of carbon
dioxide





MOSO® X-perience



new, non-weathered decking

after 3 months of weathering

after 36 months of weathering

appearance and color

MOSO® Bamboo X-treme® is a natural product, which can vary in color, grain and appearance. 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 several weeks after installation. Without further maintenance the color gets greyish relatively fast (similar to most other wood species).

low E window statement

Low-emissivity glass is designed to prevent heat gain inside the house but reflecting sunlight outward. This reflective property can result in excessive heat build on the surface of your Bamboo X-treme® deck. The properties that Low-E glass employs to prevent passive heat gain within a structure can result in unusual heat build-up on exterior surfaces. When the sunlight is reflected and concentrated it can harm a range of building materials that include doors, windows, siding, trim and decking. Damage caused to these products can include melting, sagging, warping, discoloration, increased expansion and contraction and accelerated weathering.

care and cleaning

Under the influence of wind, rain, sun and snow the decking will weather. Unfinished deck should be treated with Messmer's UV Plus right after installation. MOSO® recommends to clean the deck with the Messmer Deck Cleaner and Brightener. Annual cleaning and maintenance of your MOSO® Bamboo X-treme® decking is recommended.



Check out the information of Messmer's at: www.messmers.com/messmers-uv-plus-deck-stain

around swimming pools

As with any wooden product used outdoors, there is always a risk of splinters arising, however splinters from MOSO® Bamboo X-treme® are normally smaller than (tropical) hardwood splinters. A regular cleaning, maintenance, and application of oil (more frequently around swimming pools) is recommended to keep the surface smooth. The boards must be installed in such a way that the surface water cannot flow directly into the pool.

X-tremely your design

► www.moso-bamboo.com/us/design-your-deck



MOSO® Bamboo X-treme® is your best option for durable and sustainable decking. MOSO North America is proud to partner with Simpson Strong-Tie to bring you our new Deck Planner Software™ that will help you create the outdoor space you've been dreaming of. Detailed renderings, construction drawings and materials lists are the information you need to build a safe, durable and sustainable deck. You will also be connected with our material suppliers in your area that will help you estimate materials costs.



design your X-treme® dream deck

The free-to-use software allows you to use your creativity to build your custom deck - complete with all technical know-how and structural products of Simpson Strong-Tie™:



Check out the Bamboo X-treme® maintenance movie at:

► www.moso-bamboo.com/youtube/minutes

► www.moso-bamboo.com/x-treme



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 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 Outdoor products, MOSO® offers a very broad assortment of **Bamboo Flooring, Panels, Beams, Veneer** and **Flexbamboo** in various sizes, thicknesses, colours and textures. These products are used worldwide in various applications ranging from wall covering, ceilings, window frames and doors to stairs, furniture and kitchens, providing an ideal combination with the MOSO® Outdoor 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 worldwide 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), and CitizenM Hotels.

For an overview of our references and clients please visit our website: www.moso-bamboo.com/references



Since 2008 over
60,000,000sf installed in
more than 60 countries





How to buy **MOSO® Bamboo X-treme®**?

There are different channels to help you out depending on what you are looking for. Please check our website:

www.moso-bamboo.com/us/how-to-buy

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moso®

Mastering
bamboo

EN-NA-2023