moso°

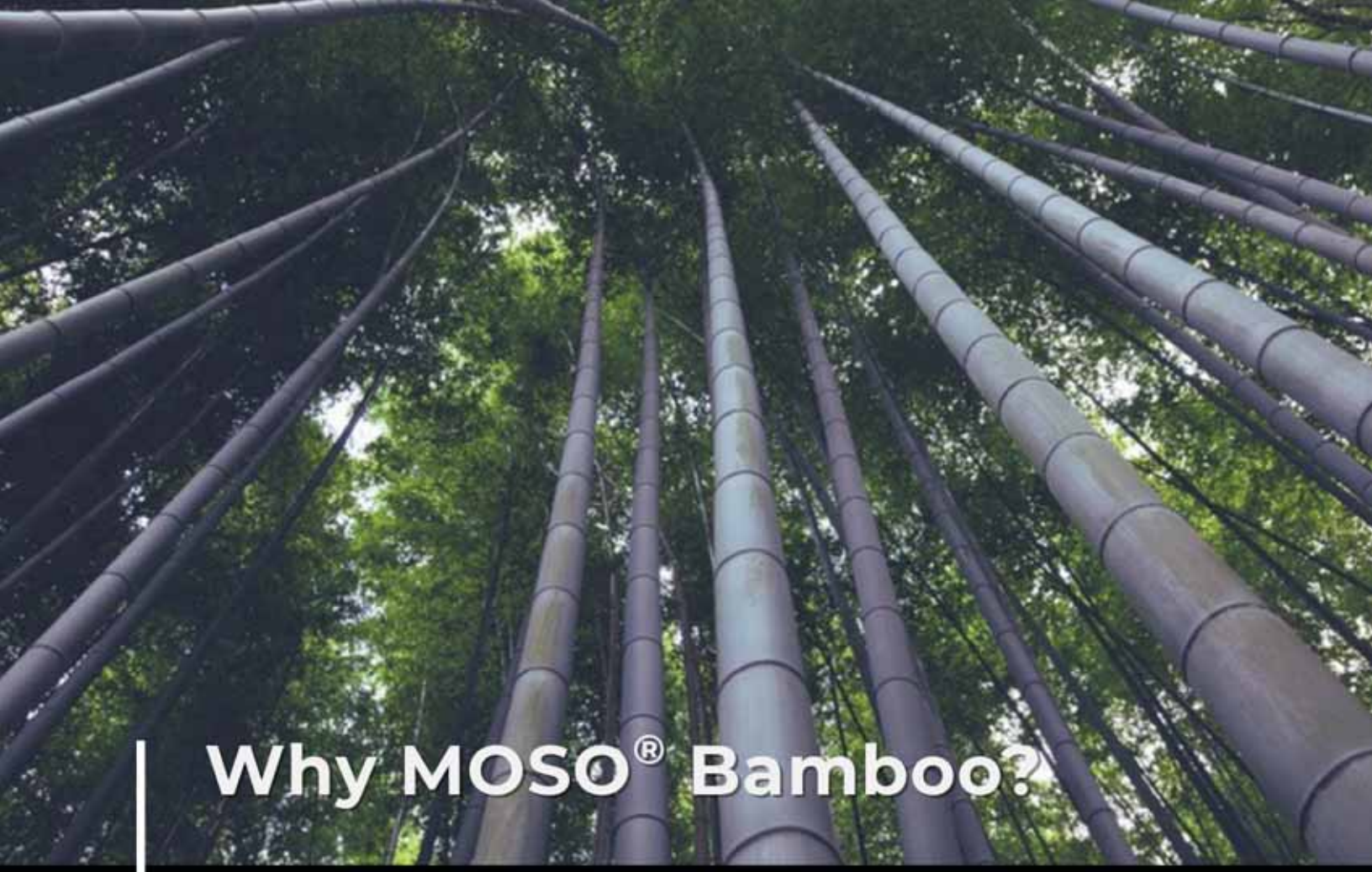
BAMBOO OUTDOOR











Why MOSO® Bamboo?

Since 1997, MOSO® has been a global leader in bamboo building innovation. In 2006, the company introduced its groundbreaking High-Density® technology, which established MOSO as the world's premier provider of advanced bamboo building products. Today, MOSO's High-Density® materials hold some of the industry's most rigorous certifications, including DiBT (Germany) and ATEx (France).

MOSO® Bamboo products have been featured in prestigious international projects—most notably Zaha Hadid's CityLife Shopping District in Milan—and are trusted by major hospitality brands such as Iberostar, Marriott, and Hard Rock Resorts. In Europe, MOSO® Bamboo Outdoor is among the most widely used exterior materials and is now fully available in the United States.
MOSO® delivers high-quality, high-performance building materials made from one of the most sustainable resources on the planet.

With more than 28 years of European engineering expertise, and a proven record of exceptional durability, MOSO is the smart, reliable choice for your next building project.

moso®
BAMBOO
OUTDOOR

MOSO® Bamboo Color Options

MOSO® Bamboo Thermo®



- Bamboo Thermo® achieves its rich, chocolate tone through an intensive heat-treatment process that removes nearly all natural sugars and moisture content.
- The cooked bamboo fibers are introduced to a small amount of adhesive and pressed into exceptionally dense panels reaching an impressive 72 lbs/ft³.
- Due to its incredible density, Thermo® has high insect & fire resistance.
- Thermo® requires no annual maintenance; however, periodic cleaning with Messmer's Hardwood Deck Cleaner helps Thermo® maintain its natural color. Left untouched, it gracefully matures into a sophisticated silvery-gray patina over time (similar to other exotic hardwoods).

Scan for more information!

MOSO® Bamboo N-durance®

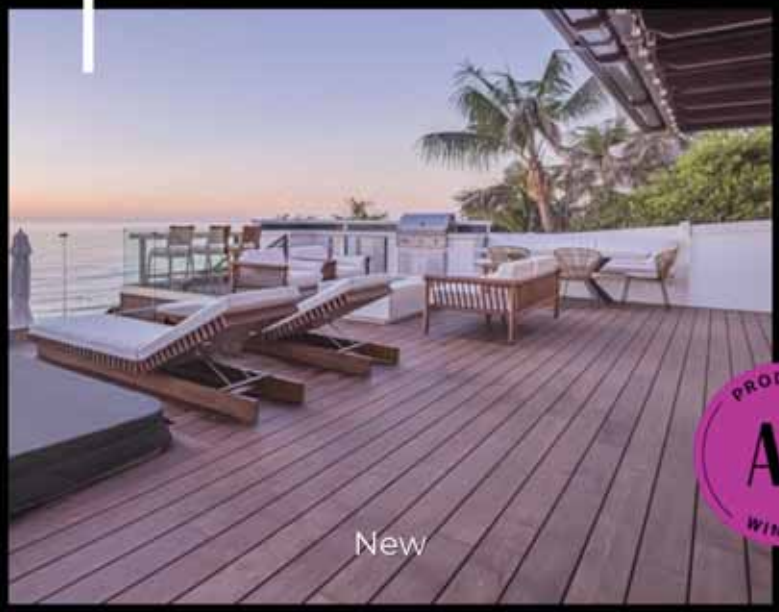


- N-durance® is the "light roast" counterpart to Thermo®, offering a naturally lighter base that is finished to a warm, amber hue.
- This distinctive color comes from a steam-pressure caramelization process that preserves more of the bamboo's organic character, which can be more susceptible to mildew in certain climates but is easily prevented with annual maintenance.
- N-durance® boasts a high density of 74lbs/ft3 which maintains high fire and insect resistance.
- N-durance® is pre-oiled with WOCA Exterior oil (Color: Teak) delivering enhanced protection against the elements.
- **N-durance® requires annual maintenance (cleaning & re-oiling) to maintain the rich amber color.**

The Many Uses of MOSO®

MOSO® Bamboo products are incredibly versatile. Use them just as you would wood. Ideal for decking, siding, fencing, soffits, fascia, stairs, trim, outdoor furniture, and countless other applications.

MOSO® Thermo® Decking





The Architect's Newspaper 2025 Product of the Year, Finishes & Surfaces: Outdoor

MOSO® N-durance® Decking





Siding



Thermo® Dutchlap Siding

Fencing



Thermo® Tongue & Groove

Soffits



N-durance® Decking/ Siding/ Soffit



All decking & siding is installed using the asymmetric clip. Boards are end-matched for easy installation.



Visit our website for additional projects & inspiration!

MOSO® Thermo® Products



Decking

Profile	Description	Dimensions	SKU
	1x6-6' - 2-Groove Decking (reversible)	3/4" x 5-3/8" x 72"	BTH-DK166G2-R-UF
	1x6-6' - 1-Groove Perimeter Board (reversible)	3/4" x 5-3/8" x 72"	BTH-DK166G1-R-UF
	1x6-8' - 2-Groove Rain-Shed Decking	3/4" x 5-3/8" x 96"	BTH-DK168G2-C-UF
	1x6-8' - 1-Groove Rain-Shed Perimeter Board	3/4" x 5-3/8" x 96"	BTH-DK168G1-C-UF
	1x8-8' - 1-Groove Perimeter Board & Fascia	3/4" x 8" x 96"	BTH-DK188G1-UF



Dutchlap & Fluted Siding

Profile	Description	Dimensions	SKU
	1x6-8' Triple Fluted Siding	3/4" x 5-3/8" x 96"	BTH-CL168G-FL3-UF
	1x6-8' Double Fluted Siding	3/4" x 5-3/8" x 96"	BTH-CL168G-FL2-UF
	1x6-8' Dutchlap Siding	3/4" x 5-3/8" x 96"	BTH-CL168G-DL-UF
	1x7-8' Dutchlap Siding	3/4" x 7" x 96"	BTH-CL178G-DL-UF



Closed Cladding

Profile	Description	Dimensions	SKU
	1x3-8' Closed Cladding Pre-Drilled	3/4" x 2-1/2" x 96"	BTH-CL138-CL-PD-UF
	1x4-8' Closed Cladding Pre-Drilled	3/4" x 4" x 96"	BTH-CL148-CL-PD-UF
	1x6-8' Closed Cladding Pre-Drilled	3/4" x 6.1" x 96"	BTH-CL168-CL-PD-UF
	1x6-8' Closed Cladding Nickel Gap Pre-Drilled	3/4" x 6.1" x 96"	BTH-CL168NG-CL-PD-UF



Tongue & Groove

Profile	Description	Dimensions	SKU
	1x4x6 Tongue & Groove (Porch Floor/Soffit)	3/4" x 3-7/8" x 72"	BTH-LU146TG-UF
	1x6x6 Tongue & Groove (Fence Infill/Privacy screen)	3/4" x 5-3/8" x 72"	BTH-LU166TG-UF



Trim & Lumber

Profile	Description	Dimensions	SKU
	1x4x8 Square Stock Board	3/4" 3 7/8" x 96"	BTH-LU148-UF
	1x6x8 Square Stock Board	3/4" x 5-3/8" x 96"	BTH-LU168-UF
	1x8x8 Square Stock Board	3/4" x 8" x 96"	BTH-LU188-UF
	1x12x8 Square Stock Board	3/4" x 12" x 96"	BTH-LU1128-UF
	2x2x8 Beam	1.5" x 1.5" x 96"	BTH-LU228-UF
	2x4x8 Beam	1.5" x 3.5" x 96"	BTH-LU248-UF
	2x6x8 Beam	1.5" x 5.98" x 96"	BTH-LU268-UF



MOSO® N-durance® Products



Decking

Profile	Description	Dimensions	SKU
	1x6-6' - 2-Groove Rain-Shed Decking	3/4" x 5-3/8" x 72"	BND-DK166G-C-W01
	1x6-6' - 1-Groove Rain-Shed Perimeter Board	3/4" x 5-3/8" x 72"	BND-DK166G1-C-W01
	1x6-8' - 2-Groove Rain-Shed Decking	3/4" x 5-3/8" x 96"	BND-DK168G2-C-W01
	1x6-8' - 1-Groove Rain-Shed Perimeter Board	3/4" x 5-3/8" x 96"	BND-DK168G1-C-W01
	1x8-8' - 1-Groove Perimeter Board & Fascia	3/4" x 8" x 96"	BND-DK188G1-W01

Rain-Shed decking has a slightly curved top that helps drain water off the surface, keeping the boards cleaner & reducing maintenance frequency.

Dutchlap & Fluted Siding

Profile	Description	Dimensions	SKU
	1x6-8' Triple Fluted Siding	3/4" x 5-3/8" x 96"	BND-CL168G-FL3-W01
	1x6-8' Double Fluted Siding	3/4" x 5-3/8" x 96"	BND-CL168G-FL2-W01
	1x6-8' Dutchlap Siding	3/4" x 5-3/8" x 96"	BND-CL168G-DL-W01

Dutchlap and Fluted siding installs on furring strips with MOSO asymmetric Clips only.

Closed Cladding

Profile	Description	Dimensions	SKU
	1x6-8' Closed Cladding Pre-Drilled	3/4" x 6.1" x 96"	BND-CL168-CL-PD-W01
	1x6-8' Closed Cladding Nickel Gap Pre-Drilled	3/4" x 6.1" x 96"	BND-CL168NG-CL-PD-W01

Closed Cladding installs on furring strips with #7 stainless screws supplied by installer.

Trim & Lumber

Profile	Description	Dimensions	SKU
	1x12-6' Square Stock Board	3/4" x 12" x 73"	BND-LU1126-W01
	5/4x6-8' Square Stock Board	1 3/16" x 5-3/8" x 96"	BND-LU5468-W01

Pro tips:

Use asymmetric clips for decking and siding for Thermo & N-durance products.





Decking and siding boards are end-matched.
Seam off joist with decking when 16" on center.
Or, seam on joist at 12, 18, or 24" OC.

MOSO® Bamboo
Installation instructions

Decking

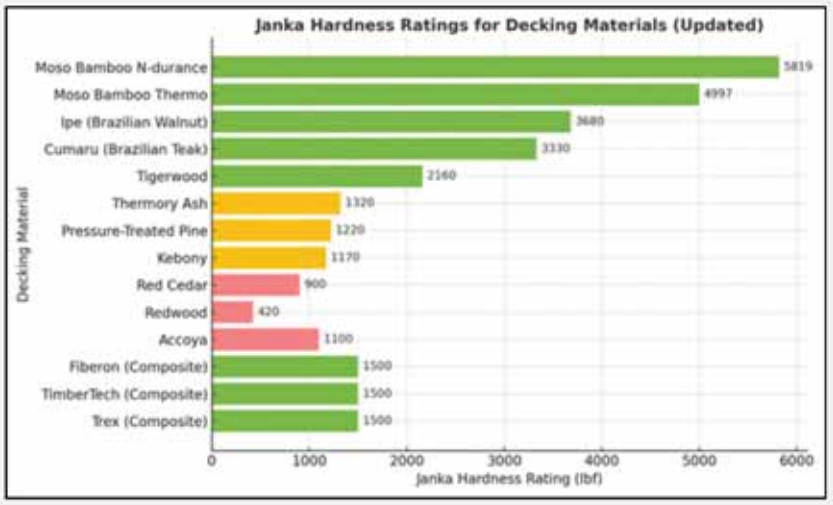
Siding

MOSO® Bamboo Performance

Durability: MOSO® Bamboo Products are 30% harder compared to other exotic hardwoods and roughly 4X harder than other thermally modified timber.

Class A Fire Rated & WUI Listed: MOSO® Bamboo Products are naturally fire-resistant without the addition of fire-retardant chemicals and are approved for use in wildfire prone areas.

Insect & Rot Resistant: Because MOSO® Bamboo Products are so dense, they are highly resistant to fungi (rot) and insects (like termites) that rapidly decay wood.

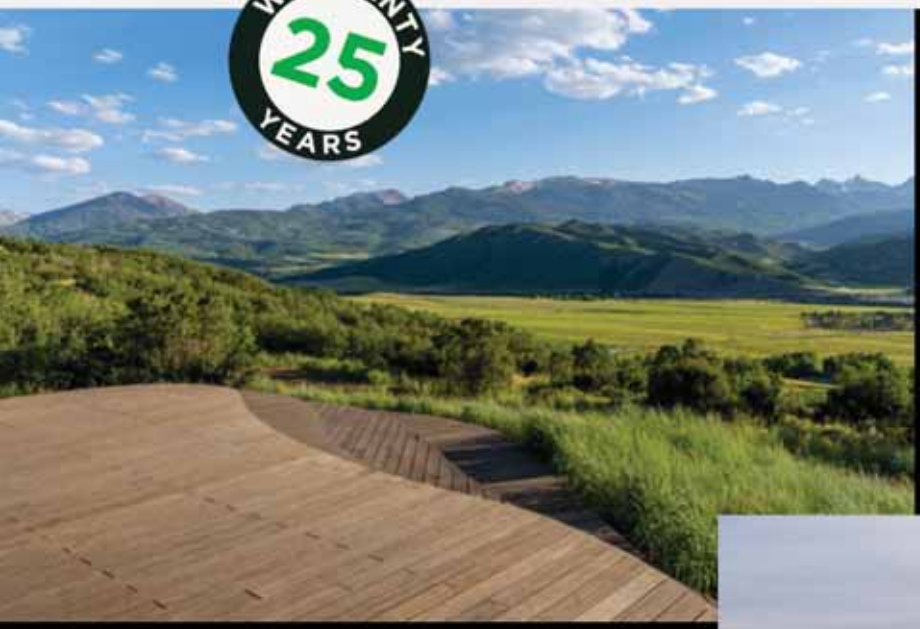


Class A

WUI

E1 HCHO

WARRANTY 25 YEARS



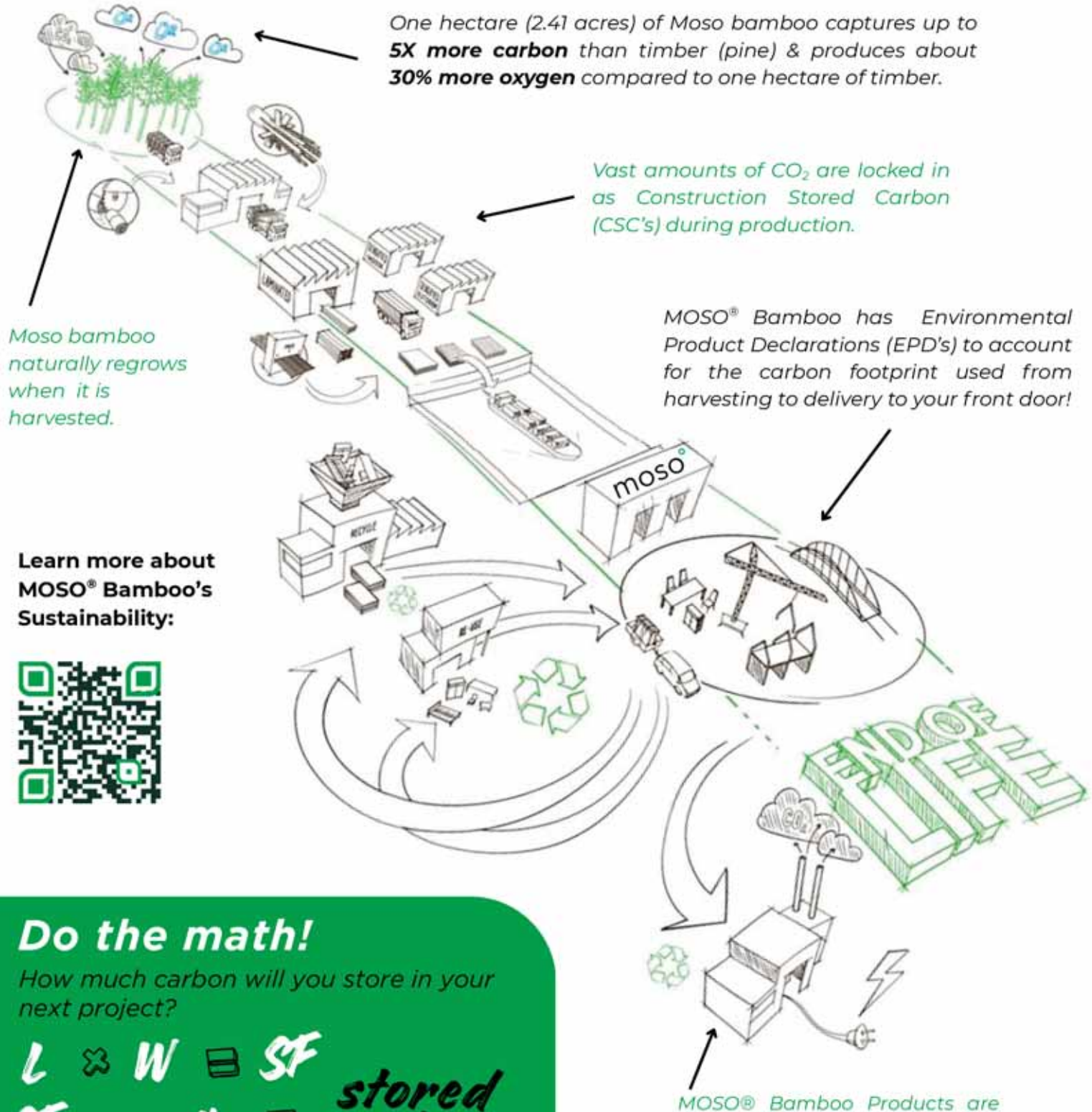
Engineered for those who expect uncompromising performance, MOSO® Bamboo Thermo® delivers year-round beauty that feels as timeless as the landscape itself.

See more MOSO® installations on our inspiration page:



MOSO® Bamboo Benefits

MOSO® Bamboo Products are proven! Since 2007, over 65 million square feet of MOSO® products have been installed across the globe. What's more impressive is that **400 million pounds of carbon is stored** in installations around the globe! MOSO® products have extraordinary sustainability benefits.



*One hectare (2.41 acres) of Moso bamboo captures up to **5X more carbon** than timber (pine) & produces about **30% more oxygen** compared to one hectare of timber.*

Vast amounts of CO_2 are locked in as Construction Stored Carbon (CSC's) during production.

Moso bamboo naturally regrows when it is harvested.

MOSO® Bamboo has Environmental Product Declarations (EPD's) to account for the carbon footprint used from harvesting to delivery to your front door!

Learn more about MOSO® Bamboo's Sustainability:

MOSO® Bamboo Products are used for bioenergy at the end of its life, replacing fossil fuels.

Do the math!

How much carbon will you store in your next project?

L x W = SF

SF x 6.5lbs = stored carbon!

MOSO® Bamboo Care & Maintenance

MOSO® Bamboo Outdoor Products are engineered for exceptional performance in virtually any climate, with durability comparable to premium exotic hardwoods. Proper care is essential to ensure your deck stays beautiful and lasts for decades.

MOSO® Bamboo Thermo® can be left to gracefully weather into a silver-gray patina or maintained with oil to add a rich, dark tone.



MOSO® Bamboo N-durance® must be cleaned and re-oiled annually to maintain its warm amber hue.





Pro tip: MOSO® recommends that you clean your deck annually using a stiff bristle deck brush and Messmer's Wood & Deck Cleaner. Messmer's Bamboo Oil can be used on both Thermo and N-durance. Follow the Care & Maintenance instructions in the QR codes.



MOSO® Bamboo Care & Maintenance Instructions

Thermo®

N-durance®

MOSO® Bamboo Fire Resilience

Installed as Decking, Siding, Soffit, and Fence applications, MOSO® Bamboo Decking & Siding are Class-A fire rated and WUI listed in multiple states. MOSO® Bamboo's incredible density makes it the only natural siding that achieves these certifications without the addition of fire-retardant chemicals.



Install MOSO® Bamboo Siding as a rain screen siding or closed system.



MOSO® Tongue & Groove boards create a dense, continuous installed surface.





CalFire WUI approved, MOSO® Decking (including Thermo and N-durance lines) offers excellent fire- resistance for new or replacement decks, enhancing home safety.

Learn more:



Upgrade your fence with interlocking 1x4 or 1x6 T&G thermally modified bamboo for exceptional fire mitigation, superior perimeter protection, and outstanding sound attenuation.

Sustainability Never Looked So Good.



For more information, please visit:
www.moso-outdoor.com

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MOSO® Warehouses:
Oregon
South Carolina
Canada

Proud to support sustainable development, working with the following organizations:

NADRA

American Society of Landscape Architects

AIA

U.S. GREEN BUILDING COUNCIL MEMBER