

PROGREN BAMBOO

THE ART OF BAMBOO. THE FUTURE OF GREEN!

FULL CATALOG

SUSTAINABLE SOLID BAMBOO

EXTERIOR & INDUSTRIAL USE

DECKING / CLADDING / FENCE
LUMBER & PANEL / TRAILER FLOOR

EDITION 2025-V1



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THINKING GREEN WITH BAMBOO

We believe that sustainability starts with the materials we choose.

At Progren, we are committed to using rapidly renewable bamboo to create high-performance outdoor building materials. Bamboo is not only strong and beautiful—it's one of the most sustainable resources on the planet. With every product you choose, you help build a greener future.



RENEWABLE BY NATURE

Bamboo regrows in just 4–6 years, making it a far more sustainable choice than traditional hardwoods.



SUSTAINABLE

Sustainability is more than a trend—it's our long-term commitment:

- Protecting the environment by using fast-growing, low-impact bamboo
- Supporting local communities through responsible sourcing
- Reducing deforestation and CO₂ emissions compared to tropical hardwoods



A GREEN FOUNDATION

At Progren, we believe in building better with bamboo:

- 100% biodegradable and plastic-free materials
- Certified durability and safety
- Pre-finished boards require no onsite coating—less work, less waste
- Energy-efficient production with a low carbon footprint

20+ YEARS

HARNESSING THE POWER OF BAMBOO IN STRUCTURAL
AND OUTDOOR APPLICATIONS

100% SOLID BAMBOO

NATURALLY RENEWABLE, NO PLASTIC, NO COMPOSITE—
JUST PURE ENGINEERED BAMBOOS

25-YEAR WARRANTY

WITH PROTECTION BACKED BY A 25-YEAR FOR INDOOR
20-YEAR FOR OUTDOOR AND MORE THAN 10-YEAR FOR
TRANSPORTATION PRODUCTS



WHY BAMBOO

WHY PROGREN BAMBOO PRODUCTS



GREEN, STRONG, SUSTAINABLE & ECO-FRIENDLY PRODUCT

- 100% NATURAL SOLID MOSO BAMBOO SPECIES
- RENEWABLE & DURABLE & SUSTAINABLE
- SUPERIOR DENSITY
- STRENGTH AND HARDNESS COMPARE TO TEAK OAK AND MAPLE SPECIES



PROGREN BAMBOO STANDS UP TO HEAT, COLD, AND HARSH CONDITIONS

- SUPERIOR TO TROPICAL WOOD, ORDINARY COMPOSITES AND STRAND WOVEN BAMBOO
- HIGH STRENGTH*HIGH RESISTANCE TO WARPS AND TWISTING
- HIGH DIMENSIONAL STABILITY (LESS SWELLING AND LESS SHRINKAGE)
- LESS EXPANSION & CONTRACTION (REDUCED BENDING & SPLITTING)



UNIQUE, FLEXIBLE & INNOVATIVE

- SPECIALIZED BAMBOO LAMINATING TECHNOLOGY UNDER HOTPRESSURE PROCESS
- UNIQUE HOOK JOINT PATENTED DESIGN WHICH IS AVAILABLE UP TO THE LENGTH OF 10 METER
- FLEXIBLE DIMENSIONS (CUSTOMIZED SIZE TO ANY LENGTH, WIDTH AND THICKNESS)



SUPERLOW-MAINTENANCE FOR OUTDOOR BAMBOO PRODUCT

- PROTECTIVE TREATMENT TO RESIST THE GROWTH OF MILDEW & ROT
- REDUCING THE NEED FOR HIGH MAINTENANCE
- OUTDOOR TREATMENT IS NON TOXIC AND NON HAZARDOUS TO THE ENVIRONMENT
- RESISTANT AGAINST DECAY GREATLY INCREASING THE LIFE-SPAN



EASY TO TRANSPORT AND INSTALL

- LIGHTWEIGHT
- EASY TO INSTALL (WITH HIDDEN FASTENING SYSTEM)
- EASY TO CLEAN
- EASY TO BE OILED

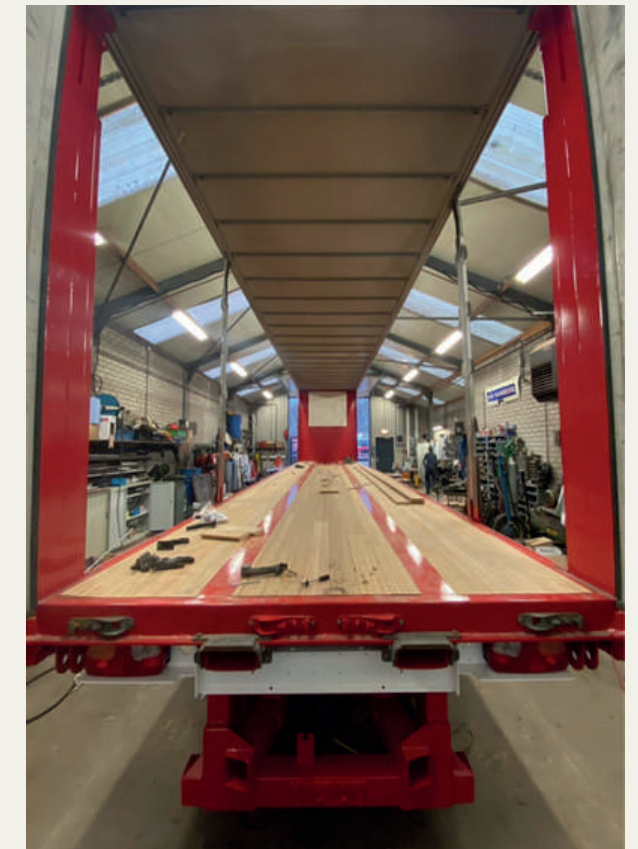
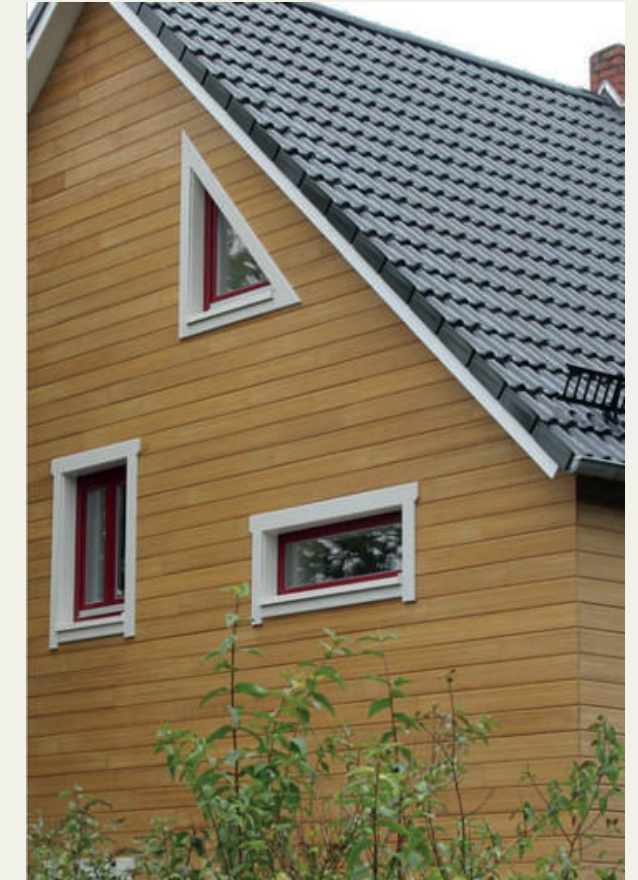


STRONGER GUARANTEE

- GIVES YOU EXTRA SAFETY & PROTECTION UNDER 20 YEARS LIMITED WARRANTY FOR OUTDOOR PRODUCTS, 25 YEARS FOR INDOOR AND MORE THAN 10 YEARS FOR TRANSPORTATION PRODUCTS

PROGREN BAMBOO UNLIMITED

APART FROM THE STANDARD PRODUCT
RANGE, PROGREN CAN PRODUCE AND
SUPPLY CUSTOM MADE



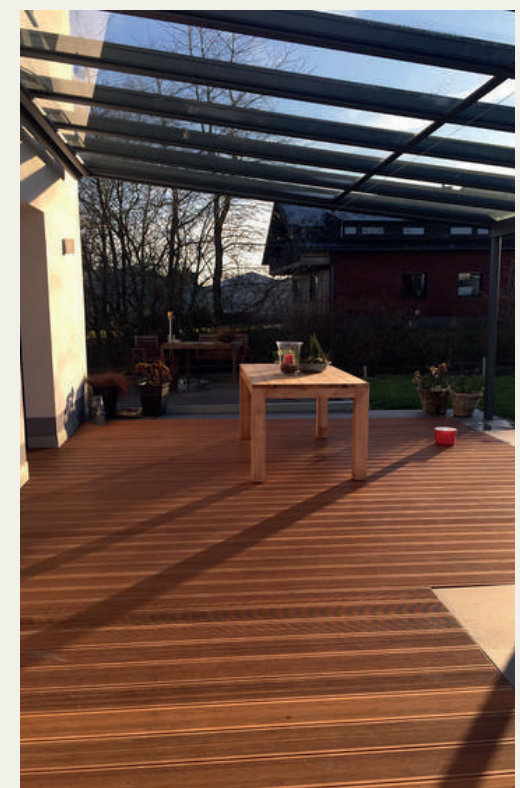
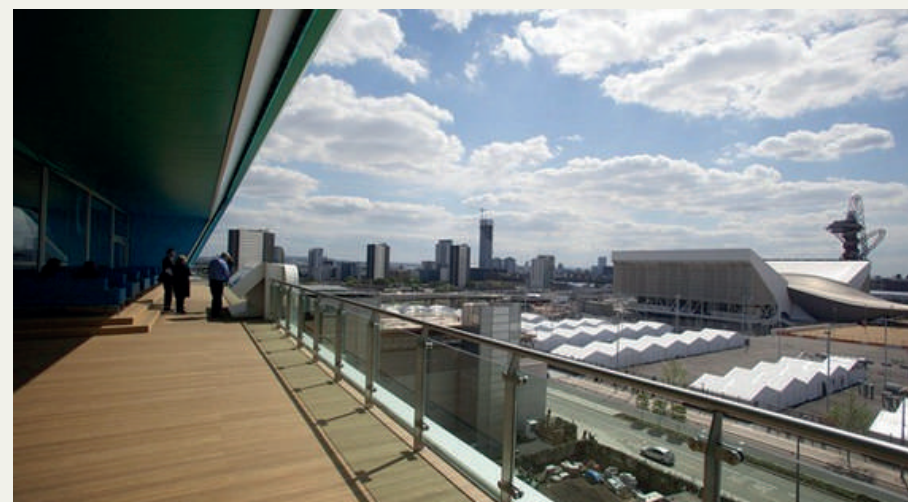
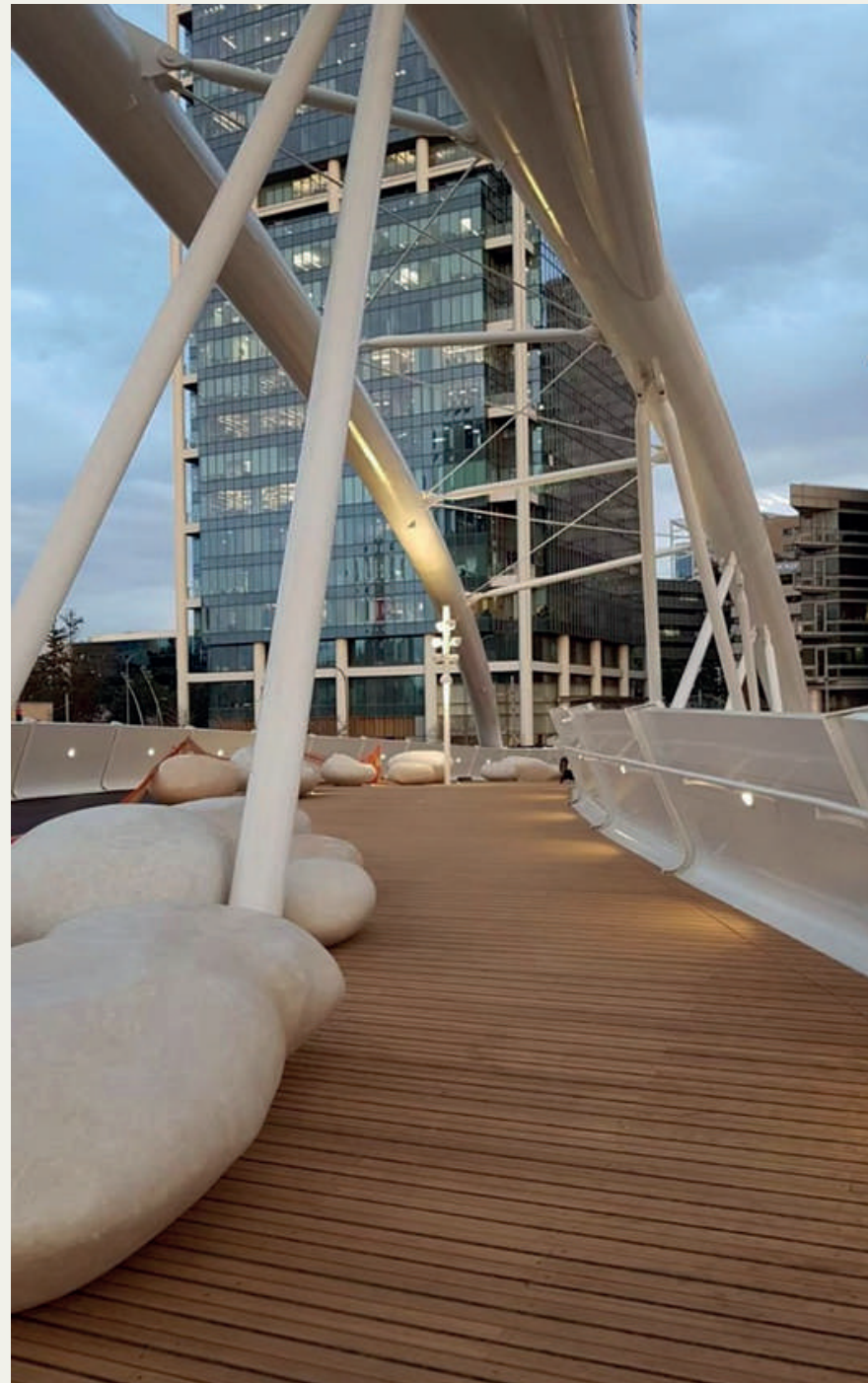
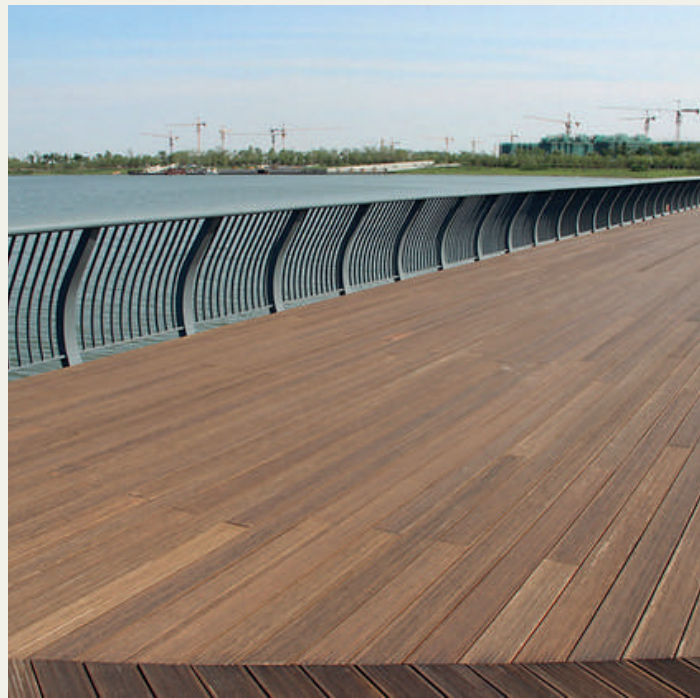
DECKING

Progren bamboo decking offers a high-quality, sustainable solution for businesses seeking eco-friendly and innovative outdoor materials.

Crafted from carefully selected moso bamboo strips and compressed through high-pressure lamination, our decking is strong, durable, and visually appealing. It's an excellent alternative to traditional hardwood, ideal for projects that demand both performance and sustainability—whether you're in distribution, construction, contracting, or design.



Progren as the brand of outdoor antiseptic bamboo products series, including Outdoor bamboo decking: use for landscape walkway, Platform, Gallery, footway, swimming pool, dock, and deck etc. Surface is molding top and top with Original, solid, color painted and pre-finished series.



CLASSIC DECKING & JOIST

Our classic outdoor bamboo decking is a time-tested solution designed for strength, beauty, and performance in a wide range of climates. Made from 100% natural solid bamboo and treated for durability, it offers a sustainable alternative to tropical hardwoods. Fully customizable in size, surface molding, and color, this product is ideal for clients seeking flexibility in design and application—whether for residential, commercial, or public outdoor spaces.



Code:BNDC - 11- V01



Code:BNDC - 11- V02



Code:BNDC - 11- V03



Code:BNDC - 11- FL01



Code:BNDC - 11- FL02



Code:BNDC - 11- V06



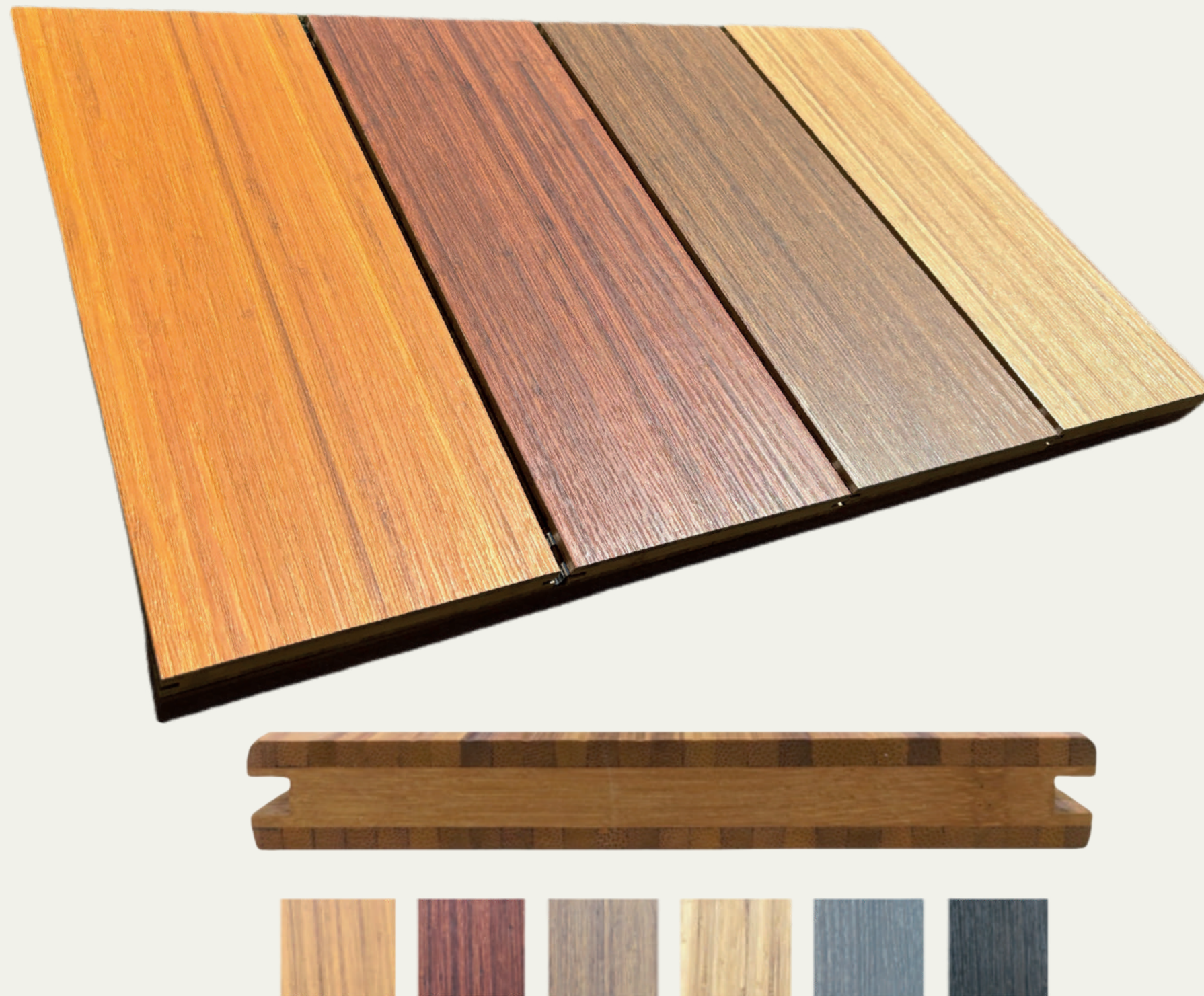
Code:BNDC - 11- V07



Code:BNJS- 21

Classic Bamboo Decking & Joist Specification

Code	Description	Profile picture	Structure	T(mm)	W (mm)	L (mm)
BNDC-11-V01	Decking		Vertical Molding top & down 2 side groove	18	90-200	1960-8000
BNDC-11-V02			Vertical Molding top & down no groove	18	90-200	1960-8000
BNDC-11-V03			Vertical Flat 2 side groove	18	90-200	1960-8000
BNDC-11-FL01			Vertical Flat no groove	18	90-200	1960-8000
BNDC-11-FL02			Vertical Molding top& flat down, no groove	18	90-200	1960-8000
BNDC-11-V06			Vertical Molding top & flat down, 2 side groove	18	90-200	1960-8000
BNDC-11-V07			Curved bow, 2 side groove	18.5	90-200	1960-8000
BNJS-21	Joist		Vertical Flat No groove	60	40-60	1960/4000
C-02	Accessory		Accessory: Clips & screw			



PRE-FINISHED DECKING

NEW

What advantage of pre-finished series?

- No onsite coating required,less work, less waste
- Much lower maintenance
- High water resistance
- Stronger UV protection
- Wear, scratches resistance
- Corrosion & mildew resistance
- Enhanced Aesthetics
- Temperature tolerance
- Stain or dirty easily to clean, our new coating significantly extends the lifespan of bamboo decking and reduces maintenance needs!!!!

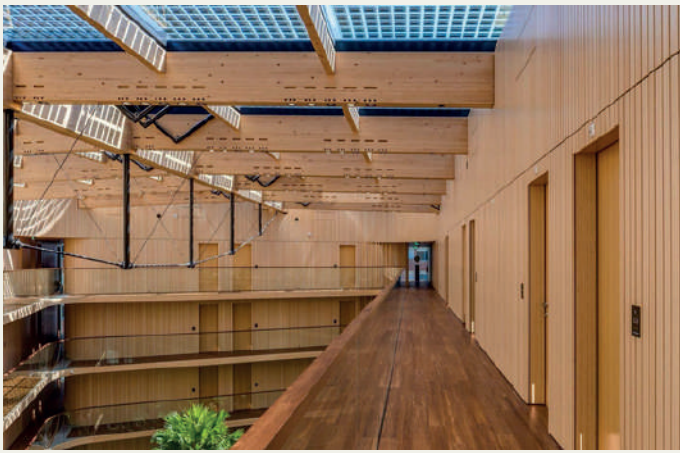
Pre-finished Bamboo Decking Specification (Gen. 2)

Code	Regular Color	Structure	T(mm)	W(mm)	L(mm)
BNDP-32-V03	Natural(01),Red(02), Teak(03),Grey(04), Black(05),golden yellow(06)	Vertical Molding top & flat down 2 sides groove	18/20	145/200	3660

CLADDING & CEILING & WALL PANEL

Progren bamboo cladding and ceiling products combine natural beauty with modern performance. Designed for both exterior and interior applications, they offer a warm, elegant finish while delivering strength, durability, and environmental benefits. Ideal for façades, soffits, overhangs, and indoor ceilings, these panels are customizable in size, finish, and color—providing architects and designers with a sustainable and versatile building solution.





CLADDING & CEILING & WALL PANEL

Bamnova Outdoor bamboo wall Cladding & Ceiling: Use for wall, roof ceiling, decorative and functional wall.



Code:BNWP- 11- TG01



Code:BNWP- 11- TG02



Code:BNWP- 11- AT01



Code:BNWP- 32- AT02



Code:BNWP- 11- ST01



Code:BNCE- 11- TG01



Code:BNWP- 32- HG01

Bamboo Wall Cladding Specification					
Code	Profile picture	Structure	T(mm)	W (mm)	L (mm)
BNWP-11-TG01		Vertical Flat T&G Big bevel	18	140	1960-6000
BNWP-11-TG02		Vertical Flat T&G	18	140	1960-6000
BNWP-11-AT01		Vertical Top&Bottom molding	18	140	1960-6000
BNWP-32-AT02-03		Top molding Bottom flat	27	140	1960-6000
BNWP-11-ST01		Vertical Serpentine groove	18	140	1960-6000
Bamboo Ceiling Specification					
Code	Profile picture	Structure	T(mm)	W (mm)	L (mm)
BNCE-11-TG01		Vertical Small bevel T&G	10	80-100	1960-6000



FUNCTIONAL WALL PANEL

NEW

This versatile hook wall panel is perfect for garage organization or as a display wall in showrooms. Durable and easy to install, it supports various hanging applications.



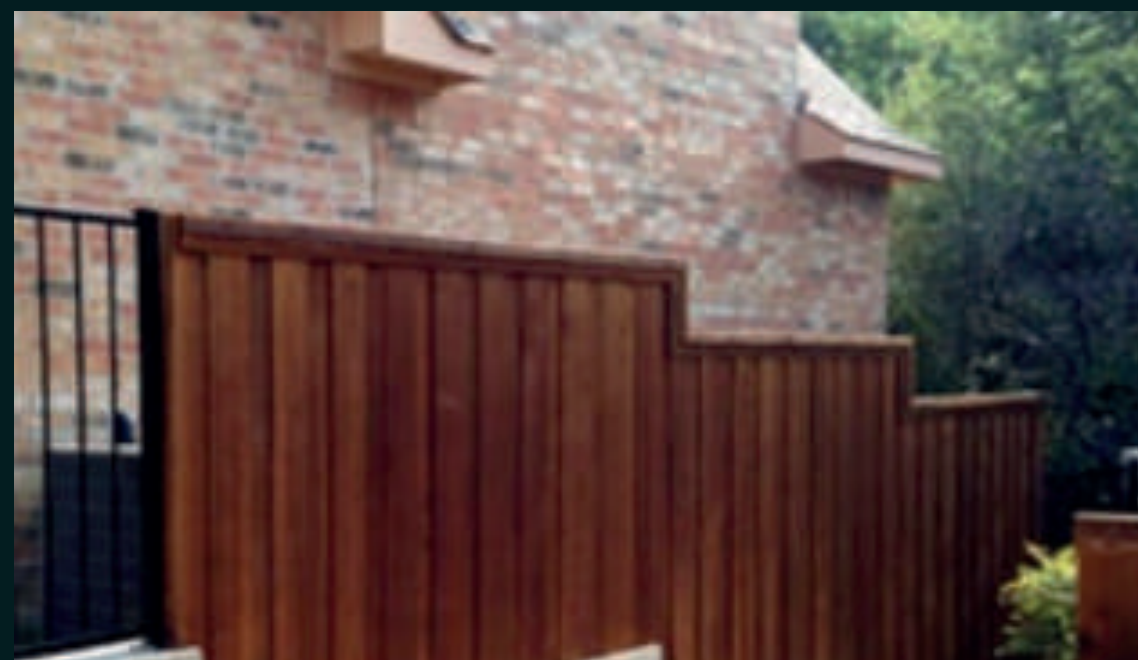
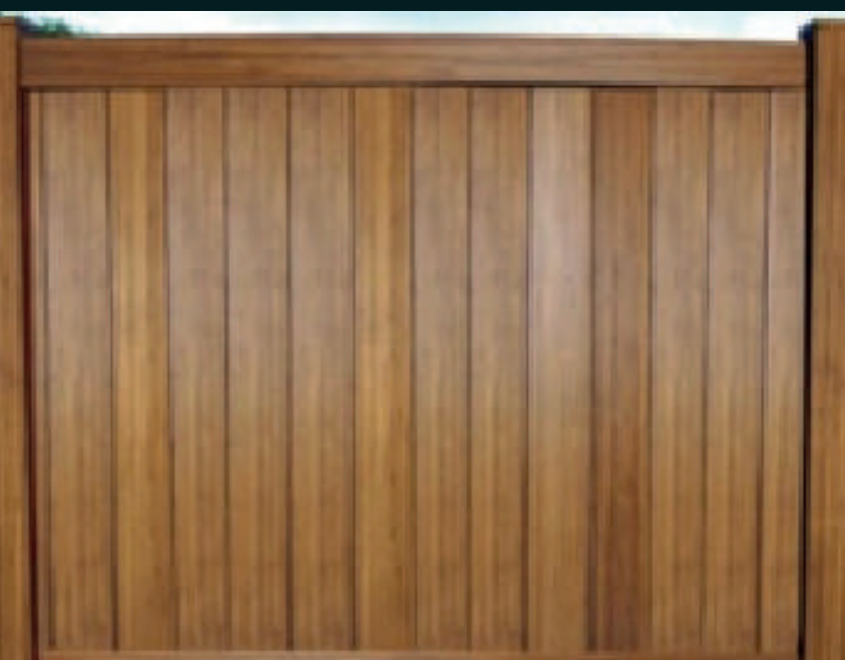
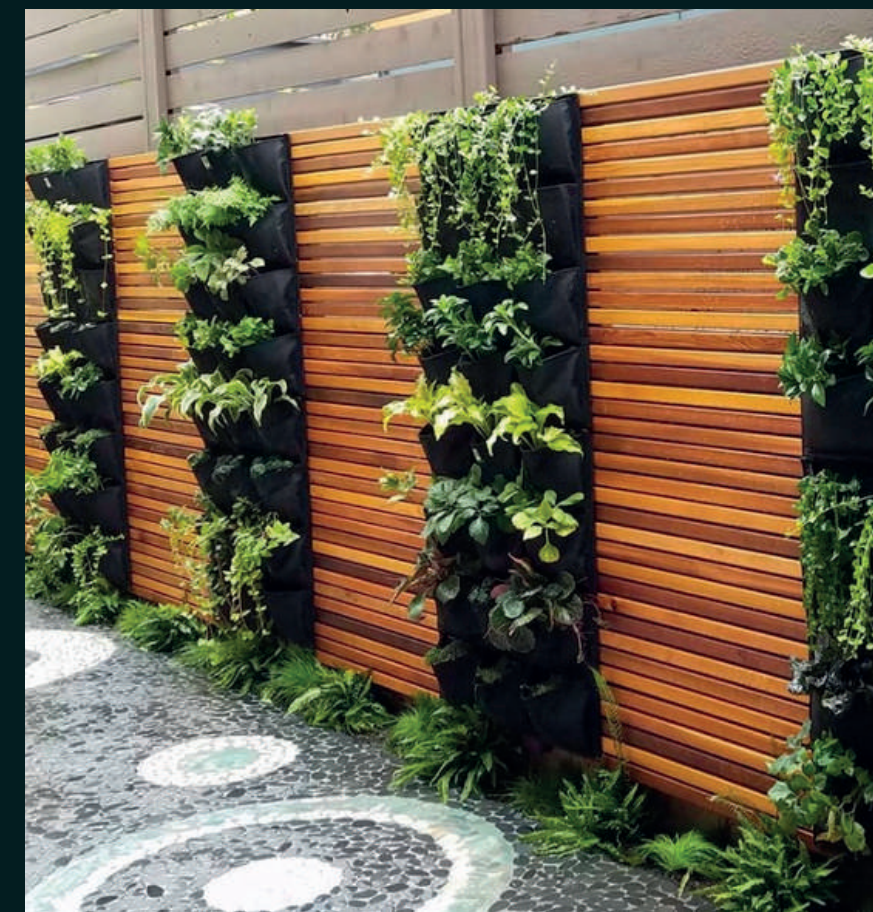
Bamboo Functional Wall Panel Specification

Code	Structure	T(mm)	W (mm)	L (mm)
BNWP-32-HG01	Hook Wall Panel	18	310	1220-6000

FENCING

Progren bamboo fencing: durable, eco-friendly, easy to install, a cost-effective and sustainable choice for outdoor spaces. Its modular system allows quick, tool-free installation—no welding or drilling required. More durable than traditional materials, with excellent resistance to warping and twisting for long-lasting performance.





DIMENSION

BEAM & POST & ROD

Progren bamboo beam & post: strong, seamless, sustainable crafted using patented jointless technology and advanced hot-press lamination, Bamnova beams and posts offer superior strength and stability for construction and furniture use. Easy to machine with standard tools and compatible with various finishes to enhance the natural bamboo grain. A durable, eco-friendly alternative to wood—perfect for window and door frames, stair railing, structural components, and custom wood working.

Progren bamboo rods & poles: lightweight, strong, versatile flexible yet tough, Progren bamboo rods resist breaking and can be shaped on a lathe for a wide range of uses—from curtain rods and broomsticks to martial arts gear, shade structures, and even construction or ski poles.





DIMENSION BEAM & POST & ROD

Use for construction, landscape sketch, outdoor fence railings ,stair railing, window frame,curtain rods, broomsticks, martial arts gear, or ski poles



Code: BNDL



Code: BNPS



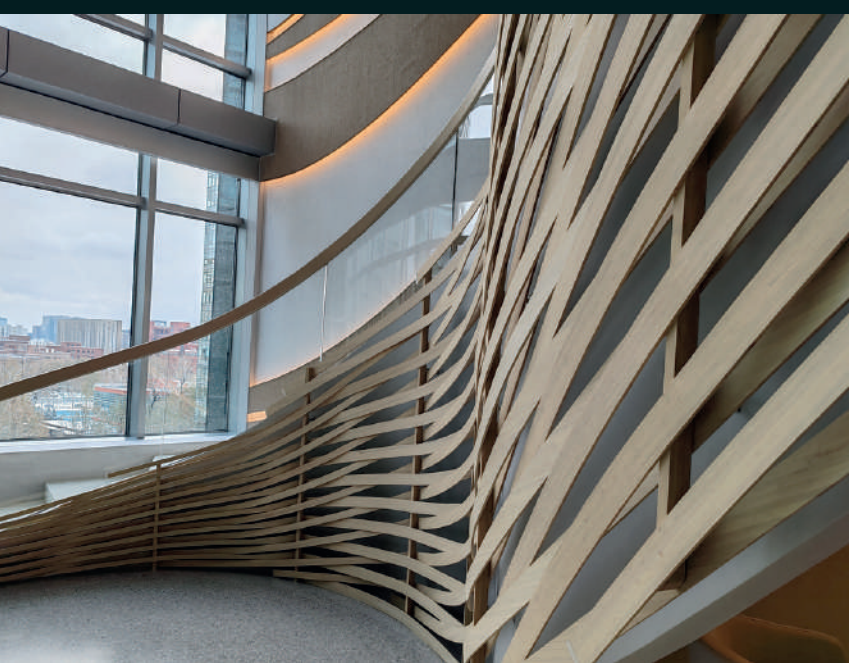
Code: BNRD

Bamboo Dimension Beam & Post Specification					
Code	Profile picture	Structure	T(mm)	W (mm)	L (mm)
BNDL		Vertical	35-200	60-200	1960-8500
		Flat			
BNPS		Vertical	30-200	30-200	1960-8500
		Flat			
Bamboo Rod Specification					
Code	Profile picture	Structure	Diameter(mm)	W (mm)	L (mm)
BNRD		/	18/28/38/48/58	/	1000-5000

PANEL

Progren solid bamboo panels: versatile, stylish, sustainable, Ideal for walls, furniture, stairs, doors, and tabletops, these multi-layer panels bring natural elegance to interiors like shops, restaurants, wellness spaces, and showrooms, also ideal for outdoor furniture. Easily customized with CNC machining for unique shapes and profiles — perfect for creative, eco-conscious design projects.





BAMBOO AND BAMBOO-WOOD COMPOSITE PANELS

We offer solid bamboo panels and bamboo-wood composite panels in rectangular, square, triangular, and round shapes etc.with customizable sizes and colors. Perfect for outdoor furniture, parks, streets, and also suitable for indoor furniture applications.Durable, sustainable, and versatile for a wide range of projects.



Code: BNDL



Code: BNPA- 32- Rd- FL01-00



Code: BNPA- 32- Tri- FL01-00



Code: BNPA- Fir- 32- FL01-00

Bamboo Panel Specification						
Code	Description	Profile picture	Structure	T(mm)	W (mm)	L (mm)
BNPA	100% Solid Bamboo Panel		Vertical	7/9/12/15/18/20/21/25	600/800/1200 1250/1500	2200-6000
			Flat			
BNPA-32-Rd-FL01-00	100% Solid Bamboo Round Panel		Vertical	20	Ø600-960	
			Flat			
BNPA-32-Tri-FL01-00	100% Solid Bamboo Triangle Panel		Vertical	20	900	900
			Flat			
BNPA-Fir-32-FL01-00	Double-Sided 100% Solid Bamboo Panel with Fir Finger-Jointed Core		Top & bottom vertical bamboo	18/21/24/27/30	1200-1300	2400-3600
			Fir Finger-Jointed Core			

VEHICLE & CONTAINER FLOORING

Progren bamboo flooring for trailers, trucks & containers

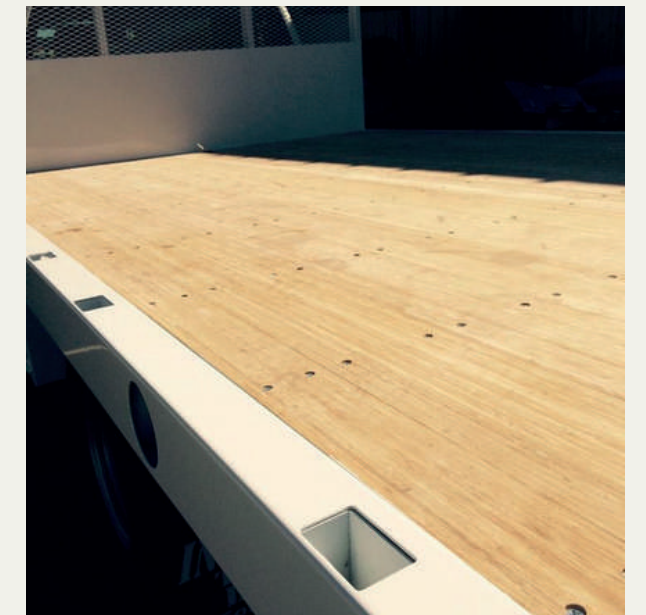
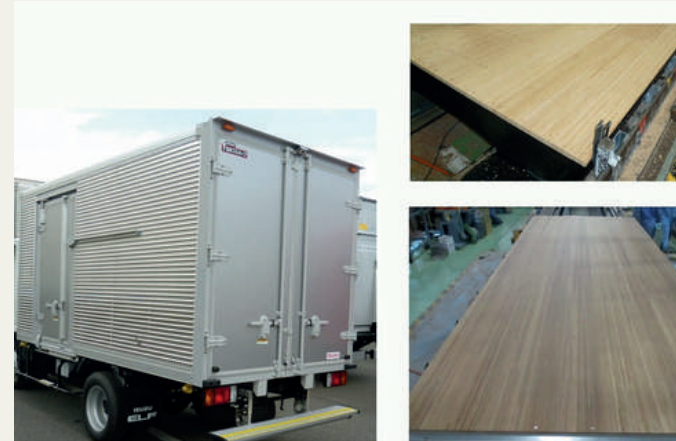
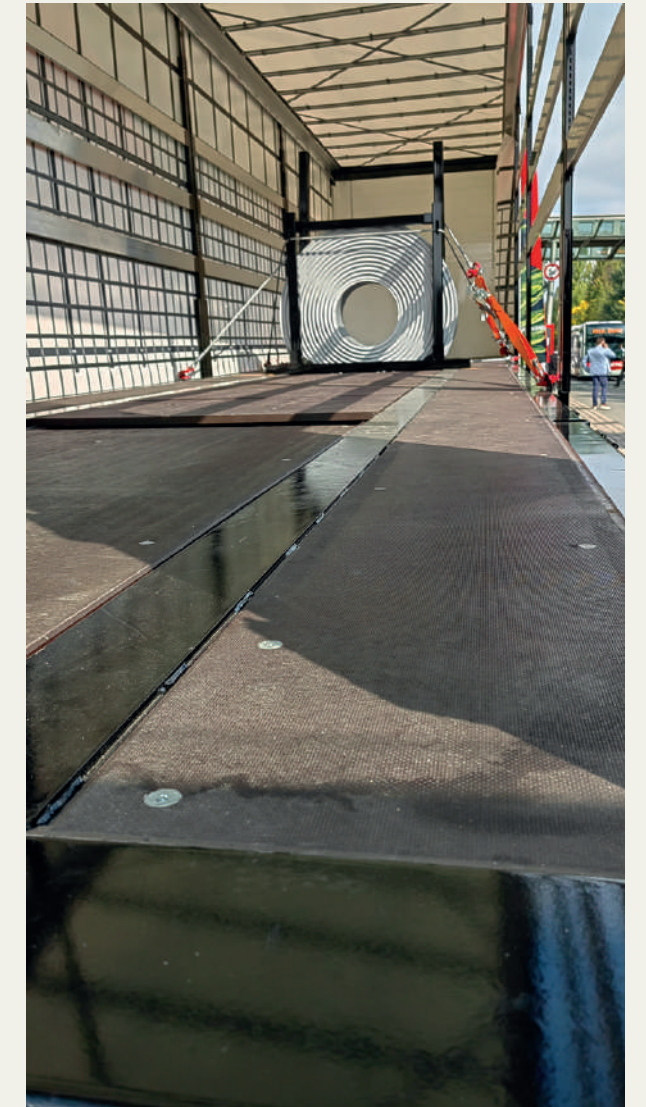
Progren bamboo flooring is a smart, sustainable alternative to traditional hardwood, designed for use in trailers, trucks, shipping containers, dry boxes, and refrigerated vessels. Engineered with advanced jointless technology, it supports custom lengths and seamless installation—ideal for modern transport and logistics applications. Stronger and lighter than hardwood, it resists warping, swelling, mold, and rot, ensuring long-term durability and safety. Available in Omega, overlap, and tongue-and-groove profiles for fast, efficient installation.



KEY ADVANTAGES:

- HIGHER STRENGTH-TO-WEIGHT RATIO
- BETTER RESISTANCE TO MOISTURE AND DEFORMATION
- MORE USABLE CARGO SPACE AND WEIGHT CAPACITY
- SAFE: FULLY MEETS TRAILER FLOORING SAFETY STANDARDS WITH EXCELLENT SLIP RESISTANCE.
- LOWER WEIGHT: LIGHTER THAN TRADITIONAL HARDWOOD.
- ENVIRONMENTALLY FRIENDLY: SOURCED FROM SUSTAINABLY MANAGED BAMBOO PLANTATIONS.
- NOT JUST FOR NEW CONSTRUCTION: ALSO SUITABLE FOR REPLACEMENT.
- VERSATILE: SUITABLE FOR TRAILERS, TRUCKS, LOADING PLATFORMS, AND EVEN WALL FORMWORK.
- SUPPORTS CO 2 REDUCTION POLICIES.

BUILT FOR PERFORMANCE, PROGREN FLOORING IS A LONG-LASTING, ECO-FRIENDLY CHOICE FOR TRUCK AND TRAILER APPLICATIONS.



FLOORING FOR TRUCK & TRAILER & CONTAINER



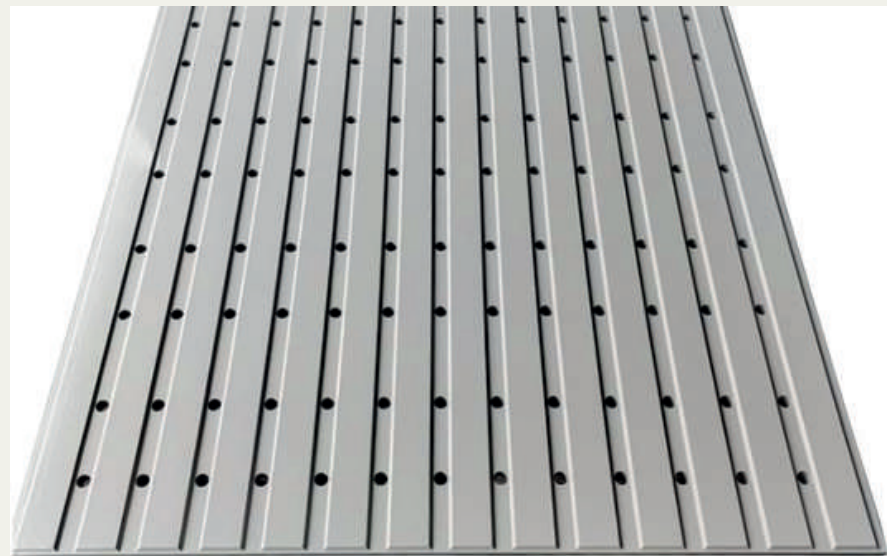
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Code: BNCT- 32



Code: BNFG- 32



Code: BNSD



Code: BNTF- 31- FL01- 00

BAMBOO SPACER BLOCK & SLEEPER



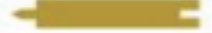
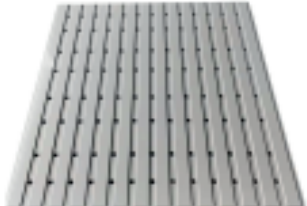
Code: BNVP- 00- FL01



Code:BNVP- 00- FL01



Code: BNSF- 00- FL01

Truck & Trailer & Container Flooring & Ship Freezing Grating Specification						
Code	Description	Profile picture	Structure/Finish	T(mm)	W (mm)	L (mm)
BNTF	Trailer & Truck Flooring	Square 	Vertical	4-60	100-2000	1000-17000
		Chamfer C 	Vertical			
		Liplas 	Vertical			
		T&G 	Vertical			
		Omega 	Vertical			
		Chamfer R 	Vertical			
BNTF-31-FL01-00			Top & bottom horizontal Intermediate layer Vertical	4-60	100-2000	1000-17000
BNTF-FL01-10	Anti-slip Flooring		Vertical Film-faced	4-60	100-1250	1000-3500
BNCT-32	Container Flooring		laminated veneer lumber (LVL)-like structure Film-faced	28	100-2300	500-12000
BNFG-32	Ship Freezing Grating		Vertical Water-proof Painted grey	35-38	900-1800	1500-1800
BNSD	Ship Decking		Vertical	8-40	100-2000	1000-17000
BNVP-00-FL01	Truck spacer block		Horizontal & vertical Natural color	240*35*50mm 200*40*40mm 135*40*28mm		
			Horizontal & vertical Black color			
BNSF-00-FL01	Trailer & Truck Sleeper		Horizontal	2500*100*45mm 2500*100*50mm 2500*100*100mm 2500*150*150mm		

BAMBOO VS WOOD - 4 YEARS



Technical Data			
Test Items	Specification	Bamboo	Apitong plywood
density	"1 8mm three layers horizontal design"	0.70g/cm ³	0.6g/cm ³ ±10%
bending strength(vertical)		17.9Mpa	11Mpa
bowing parameter(vertical)		1590Mpa	1150Mpa
bending strength(horizontal)		116.8Mpa	75Mpa
bowingparameter(horizontal)		11012Mpa	1150Mpa
twisting strength		455.4N. M	75N. M
transverse bending strength when environmental		12.4 Mpa	11Mpa
buckling strengthwhen environmental degradation		52.9Mpa	28 Mpa
dip strip length		0	10%below, length stripped is below 1/3 of overall length in the same layer
boil off length		0	10%belowlength stripped is below 1/3 of overall length in the same layer
dry strength	21 mm three layers horizontal design"	2.81Mpa	1.0 Mpa
formaldehyde emission		ND	no test
'xenon lamp ageing fest value		0.507g/100 run	no test
density		0.71g/cm ³	0.6g/cm ³ ±10%
bending strength(vertical)		17.5Mpa	20Mpa
bowing parameter(vertical)		2560Mpa	2000Mpa
bending strength(horizontal)		116.8Mpa	75Mpa
bowingparameter(horizontal)		11012Mpa	6390Mpa
twisting strength		509.5N. M	98N. M
n transversebendingstrength when environmental		17.9 Mpa	15Mpa
buckling strengthwhen env ironmen fal degradation		46.0Mpa	28 Mpa
dip strip length		0	10%belowlength stripped S below1/3 of overall length in the same layer
boilofflength		0	10%belowlength stripped is below 1/3 of overall length in the samE layer
dry strength		2.72Mpa	1.0 Mpa
formaldehyde emission		N D	no test

INSTALLATION & MAINTENANCE



As with all exterior decking products, bamboo can undergo some degree of linear expansion with the changes of weather and season.

To allow for this contraction and expansion, the following installation standard must be maintained:

Spacing

- * 4-5mm side to side spacing between the boards.
- * 4-6mm gap between the deck board and any solid structure such as a wall and post.
- * 2-3mm gap between board ends.
- * 35-60cm gap between wood substructures (joists).
- * The bottom surface of the board should be at least 30-40 mm above the ground.

This space will allow for air circulation, allow room for expansion and provide for the proper spacing as the boards become fully seasoned.

Installation by hidden fasteners

Hidden fasteners are used to avoid having screw heads visible on the top of the profile.

- * Hidden fasteners have to be placed between the profiles and on top of the wooden substructure (joists).
- * Each hidden fastener is screwed down between the profiles to have a strong & durable structure.
- * After installing the hidden fastener the next decking profile is attached. The standard gap of 4-5 mm is already set by the hidden fastener.
- * The installer team has to make sure that the installation is made proper & according to the recommended guidelines.
- * Only the first and last profiles of the complete decking structure have to be screwed directly down.
- * All profiles in between can be installed using hidden fasteners, greatly reducing installation times.

The Standard Top-Screw Method

- * The screws must be applied at 90° to the joist.
- * Use two screws to attach decking profile at each joist

Cleaning & Maintenance:

Be sure to remove all dust before you apply the sealer. One or twice re-coat per 6-12 months.

For pre-finished series, clean periodically, and apply patching liquid to damaged areas for waterproofing.

PROGREN BAMBOO



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