



# BAMBOO PLY

CONTEMPORARY | ENGINEERED

CONTEMPORARY LAMINATED BAMBOO PLY  
PANEL.

PRODUCT DATA SHEET

house of  
bamboo

EST. 1972

# WHY SPECIFYING MATTERS

## CHOOSING SUSTAINABILITY WITH CONFIDENCE



When you specify materials for your projects, it's not just about meeting technical requirements—it's about making a statement on sustainability. At House of Bamboo®, each of our products is more than just a building material; it's a commitment to ethical and environmentally responsible construction. Our engineered bamboo products come with a suite of certifications that assure you of their quality and sustainability:

- Global GreenTag Certified - Level A and Health Rate - Platinum, equating on a global scale to standards such as WELL, Green Star, LEED, IWBI, and the IS Rating Tool. This indicates the highest levels of environmental and health performance, underscoring the global relevance and rigour of our certifications.
- FSC Certification to guarantee that the bamboo is sourced from responsibly managed forests.

When specifying our materials, you must include these environmental credentials to ensure the quality of product for your clients. Additionally, by choosing House of Bamboo®, you are opting for carbon negative products, which significantly reduce greenhouse gas emissions, further cementing your project's role in combating climate change.

House of Bamboo® is accredited by third parties, ensuring specifiers that the materials they choose are genuine. Selecting House of Bamboo® means choosing eco-friendly products of superior quality and integrity. Not all engineered bamboo products are alike; insist on the best—insist on House of Bamboo®.



# BAMBOO PLY

## PRODUCT DATA SHEET

### CLASSIFICATION

Series	Bamboo Ply
Model	Engineered Cross Laminated Bamboo Panel. Upper layer can be either horizontal, vertical grain or even Strandwoven.
Description	Contemporary laminated bamboo ply panel.

### PHYSICAL PROPERTIES

STYLE	GRAIN
Finishes - Popular Stains For more information on stains available, go to "Finishes Available" Page 04	Raw
Dimensions Length [L] x Width [W] x Depth [D]	2440mm [L] x 1220mm [W] x 10mm [D] 2440mm [L] x 1220mm [W] x 15mm [D] 2400mm [L] x 1220mm [W] x 18mm [D] 2400mm [L] x 1220mm [W] x 20mm [D] 2440mm [L] x 1220mm [W] x 30mm [D]

### PACKAGING PROPERTIES

Length [L] x Width [W] x Depth [D]	2440mm [L] x 1220mm [W] x 10mm [D] 2440mm [L] x 1220mm [W] x 15mm [D] 2400mm [L] x 1220mm [W] x 18mm [D] 2400mm [L] x 1220mm [W] x 20mm [D] 2440mm [L] x 1220mm [W] x 30mm [D]
Quantity Per Pack	1 Per Pack
Weight Per Piece Length [L] x Width [W] x Depth [D] = Weight [kg]	2440mm [L] x 1220mm [W] x 10mm [D] = 20.9kg 2440mm [L] x 1220mm [W] x 15mm [D] = 31.35kg 2400mm [L] x 1220mm [W] x 18mm [D] = 41.8kg 2400mm [L] x 1220mm [W] x 20mm [D] = 43kg 2440mm [L] x 1220mm [W] x 30mm [D] = 63.9

## SKU BREAKDOWN

Type	Series	Thickness	Width	Height	Colour	Finish	SKU
PLY	VERT = Vertical Grain HORI = Horizontal STRA = Strandwoven	10mm 15mm 18mm 20mm 30mm	1220mm	2440mm	C = Carbonised N = Natural	R = Raw	PLY-VERT- 10MM-V-W1220- H2440-C-R

## MODELS



Horizontal 10mm Carbonised



Horizontal 20mm Carbonised



Vertical 15mm Carbonised

## SKU LIST - Vertical Grain

PLY-VERT-10MM-C-W1220-H2440-C-R	PLY-VERT-15MM-C-W1220-H2440-C-R
PLY-VERT-18MM-C-W1220-H2440-C-R	PLY-VERT-20MM-C-W1220-H2440-C-R
PLY-VERT-30MM-C-W1220-H2440-C-R	

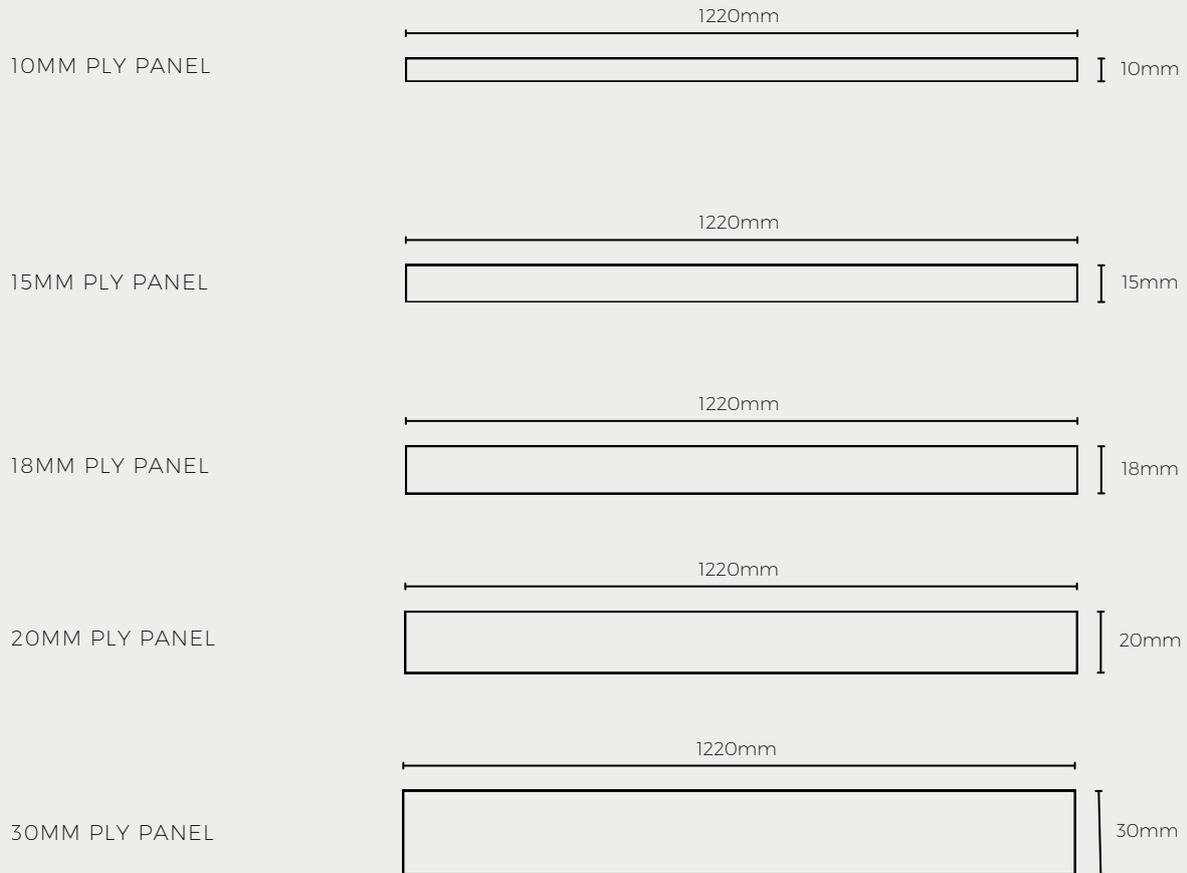
## SKU LIST - Horizontal Grain

PLY-HORI-10MM-C-W1220-H2440-C-R	PLY-HORI-15MM-C-W1220-H2440-C-R
PLY-HORI-20MM-C-W1220-H2440-C-R	PLY-HORI-30MM-C-W1220-H2440-C-R

## SKU LIST - Strandwoven

PLY-STRA-20MM-C-W1220-H2440-C-N
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## PROFILE



Note: Profile drawing are indicative and not to scale.

## PRODUCT TECHNICAL SPECIFICATION AND TOLERANCE - LAMINATED

PROPERTIES	STANDARD
Indoor Emissions	Class E1 [ $<0.124 \text{ mg/m}^3$ ] [EN 717-1]
Hardness [Brinell]	$> 4 \text{ kg/mm}^2$ [EN 1534]
Durability	Class 1 (EN 350 / CEN/TS 15083-2)
Fire Rating	Group 3 [AS ISO 9705:2003] : B grade Bfl-s1 (EN 13501-1)
BAL Rating	N/A
Density of Material $\text{kg/m}^3$	$680 \text{ kg/m}^3$
Tolerance	Length: $\pm 0.5 \text{ mm per m}$ Width: $\pm 0.5 \text{ mm per m}$ Thickness: $\pm 0.5 \text{ mm per m}$
Moisture Content	9% - 13%
H3 Treatment [For External Applications]	As per Australian Standards 1604

## CERTIFICATIONS - LAMINATED

Global GreenTag Standards	GreenRate Level A HealthRate Platinum
International Living Future Institute	Declare Label LBC Red List Approved Material 1-10 Interior Performance: CDPH Standard Method v1.2-2017 1-14 Responsible Sourcing: Product Available with FSC Chain of Custody; Low Risk Wood
FSC	Certified [Available on Request]
Rating Tools	Green Star - AU- GBCA IS Rating - ISCA USGBC LEED V4.0 and v4.1 Rating Tool Credit WELL Features - IWBI
Fire Rating Level	Class 3 (Refer to National Construction Code.)

## PRODUCT HEALTH DECLARATION & HEALTHRATE CERTIFICATION

House of Bamboo's Engineered Laminated bamboo products are made with rapidly renewable materials. The products are tested against AS/NZ 3837. House of Bamboo's Engineered Laminated bamboo products are resistant to termites and require minimal maintenance when installed internally.

## COLOUR CHART



## HOB GREENTAG CERTIFICATION - LAMINATED

Green Building, Interiors & Infrastructure Sustainability Rating Tools	Recognized in Product & Materials Credits and WELL Features	Global GreenTag International Certifications & Declarations			
		GreenRATE Level A	LCARATE	Product Health Declaration	Environmental Product Declaration
WELL, Green Star	VOC, IAC	✓		✓	
LEED	USGBC	✓			
WELL - IWBI	EPDs			✓	
IS Rating Tool	Sustainable Product Ecolabel Certification	✓	✓	✓	✓

## MATERIAL SPECIFICATION - LAMINATED

Composition	99% Bamboo 1% Resin
Material Identification	Scientific Classification: Family Poaceae, Genus Phyllostachys, Species P. edulis.
Treatments for External Application	Mould proof treated-H3 [External] as per Australian Standards AS 1604
Recommended Use	Cladding, Screens, Fencing, General, Joinery
Hazard Identification	Not classified as Hazardous according to the Globally Harmonised System of Classification and labeling of Chemicals (GHS), including Work, Health and Safety Regulations, Australia. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

\*The lifespan of wood, bamboo and other natural materials can be compared by means of a classification according to the European standard EN 350. In the wood industry the classification is common knowledge:

Durability Class 1 = very durable, expected life span 25 years or more // Durability Class 2 = durable, expected life span 15-25 years //

Durability Class 3 = moderately durable, expected life span 10-15 years // Durability Class 4 = little durable, expected life span 5-10 years //

Durability Class 5 = not durable, expected life span 5 years or less

## PRODUCT TECHNICAL SPECIFICATION AND TOLERANCE - STRANDWOVEN

PROPERTIES	STANDARD
Hardness [Brinell]	± 9.5 kg/mm <sup>2</sup>
Durability	Class 1 (EN 350 / CEN/TS 15083-2)
Fire Rating	Group 3 [AS ISO 9705:2003] : B grade Bfl-s1 (EN 13501-1)
BAL Rating	UP TO BAL 29 - CHECK WITH CERTIFIER
Density of Material kg/m <sup>3</sup>	1200 kg/m <sup>3</sup>
Tolerance	Length: +/-0.5mm per m Width: +/-0.5mm per m Thickness: +/-0.5mm per m
Moisture Content	8% -10%
H3 Treatment [For External Applications]	As per Australian Standards 1604

## HANDLING & STORAGE

Precautions for Safe Handling	Material should be stored in a cool dry area. Exposure to moisture may cause mould or mildew to form on the surface of the material.
Minimise Handling	To reduce potential damage to materials, minimize handling and utilize team lifting procedures.
Proper Stacking	Materials should be stored flat on raised blocking of equal thickness and spacing. Recommended spacing for spacers is every 30 to 60 cm.
Light	Avoid long exposure to direct sunlight for unfinished materials.
Acclimation	Materials should be allowed to acclimate to the installation environment and humidity prior to installation. Recommended acclimation time is 48 to 72 hours.

## FINISHES AVAILABLE - CUSTOM ORDERS

Woca Denmark® water-based Oil Raw Engineered Products [ <a href="https://wocadenmark.com/">https://wocadenmark.com/</a> ]	Colours Available: Natural, Teak, Black, Grey, Walnut, Bangkirai, Larch, Antracite, White, Hazelnut, Merbau, Stone Grey, Thunder Grey.
Vernites® water-based finish with tintometric system based on 26 colour options, that can be modified to get different intensity and gloss levels. [ <a href="https://www.vernitesaustralia.com.au/">https://www.vernitesaustralia.com.au/</a> ]	Colours Available: Pino, Noce, Hemlock, Teak, Castagno, Noce Rossiccio, Mogano, Larice, Noce Chiaro, Douglas, Noce Acerba, Noce CR, Noce Scuro, Verde Scuro.
Application of Finishes	Please check supplier Product Data Sheet and Safety Data sheets prior to application.
Measurements	Please contact our Sales Team to discuss the available options.

\*Please contact our Sales Team to discuss order as cost may differ from standard products.

## MATERIAL SPECIFICATION - STRANDWOVEN

Composition for Scrimber	87% Bamboo 13% Phenolic Glue
Material Identification	Scientific Classification: Family Poaceae, Genus Phyllostachys, Species P. edulis.
Hazard Identification	Not classified as Hazardous according to the Globally Harmonised System of Classification and labeling of Chemicals (GHS), including Work, Health and Safety Regulations, Australia. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

\*The lifespan of wood, bamboo and other natural materials can be compared by means of a classification according to the European standard EN 350. In the wood industry the classification is common knowledge:  
Durability Class 1 = very durable, expected life span 25 years or more // Durability Class 2 = durable, expected life span 15-25 years // Durability Class 3 = moderately durable, expected life span 10-15 years // Durability Class 4 = little durable, expected life span 5-10 years // Durability Class 5 = not durable, expected life span 5 years or less

## STATEMENT OF RESPONSIBILITY

This publication's technical information and application suggestions are based on the best of our current knowledge. Since the material provided here is general in nature, no guarantee of correctness, dependability, or completeness—either expressed or implied—is offered, save as required by Commonwealth or State law. Moreover, no assumption can be made regarding a product's suitability for a given use or application. The responsibility of verifying that products are appropriate for the purposes for which they are intended falls on the owner, his agent, or the contractor.

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Opening Hours Monday to Friday: 8:00am - 4:00pm  
Saturday: By Appointment Only  
Sunday: Closed

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