

Bamboo Plywood Panels

Product Specifications

Version 1: Issued 11/2025

LETO™Bamboo panels are premium cross-laminated plywood made from 100% bamboo. With an exceptional Janka hardness rating of 3,800-5,000 (compared to oak at 1,360), they deliver superior resistance to denting and wear in demanding applications.

As a rapidly renewable resource, bamboo reaches maturity in approximately 6 years and regenerates without replanting. Our panels meet GBCA Green Star, GECA, and Ecospecifier GreenTag requirements with exceptionally low emissions.

Suitable for commercial and DIY projects including cabinetry, benchtops, wall cladding, doors, furniture, signage, laser cutting, and small decorative items.



Product Availability

Thickness	Plies / Layers	Narrow Grain Natural		Narrow Grain Carbonised		Strand Woven Carbonised	Wide Grain Carbonised	
		2400 x 1200	3000 x 1200	2400 x 1200	3000 x 1200	2400 x 1200	2400 x 1200	3000 x 1200
0.6 mm	1	●		●				
1.5 mm	3	●		●			●	
2.5 mm	5	●		●			●	
4.3 mm	7	●		●			●	
5 mm	1	●		●		●	●	
6.5 mm	3	●		●			●	
10 mm	3	●		●	●			
12.7 mm	3	●	●	●	●	●	●	
15 mm	3	●		●			●	
19 mm	3	●	●	●	●	●	●	●
25 mm	3	●	●	●	●	●	●	
30 mm	3	●		●		●	●	
40 mm	5 or 7	●	●	●	●	●	●	●

*3000 x 1200mm sheets and special orders available on request. Lead times apply.

Environmental Performance

LETO[™]Bamboo meets GBCA Green Star Office Interiors and Ecospecifier GreenTag emission requirements with exceptionally low emissions.

Green Building Council of Australia

Air Quality test results for Bamboo Ply 'Narrow Grain, Carbonised Colour' 19mm

Testing conducted in accordance with Green Star Office Interiors v1.1 (ISO-11 & IEQ 12)

Emission Type	GBCA Benchmark	Test Results
Total Volatile Organic Compound (TVOC) Emission Rate	<0.5mg/m ³	<0.006 mg/m ² /hr <0.008mg/m ³ (after 7 days)
Formaldehyde Emission Rate	<0.1mg/m ³	<0.005 mg/m ² /hr <0.005ppm (after 7 days)

Weight

Type	Estimated Weight
Narrow and Wide Grain Bamboo Panels	690 kg per m ³
Strand Woven Bamboo Panels	810kg per m ³

Suggested Use by Thickness

Thickness	Use
0.6 mm	Veneer onto substrate
1.5 mm	Signage, tags, small items
2.5 mm	Laser-ply cutting (any shape)
4.3 mm	Signage
5 mm - 6.5 mm	Veneer onto substrate
10 mm - 12.7 mm	Door and wall cladding (note: requires support)
15 mm	Cabinet carcasses, wall cladding
19 mm	Cabinet doors
25 mm	Desk and table tops, toilet partitions
30 mm	Stair treads, benchtops and desktops
40 mm	Doors, benchtops

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Finishing Bamboo Panels

We recommend non-toxic, low-VOC, low-formaldehyde finishes. The products listed below have performed well in our testing. Always test on a sample before applying to your project. Avoid petro-chemical finishes as they may damage the bamboo.

Product	Finish	Application	Comments	Contact
Plant Based Oil Finishes Clean up with turpentine. Deepens bamboo color and adds a warm, golden hue. Longer drying and curing time required. More water resistant than water-based finishes. May have an odour during curing. Non-toxic.				
Livos KUNOS Natural Oil Sealer #244	Satin or Gloss	Brush, roller or cloth	All natural, low pigment level stains and clear natural finishes	livos.com.au
Evolution Hardwax Oil	Matte, Classic, Satin and Gloss	See manufacturer's instructions and MSDS	Suitable for bench-top applications	whittlewaxes.com.au
Osmo Polyx®-Oil Original	Matte, Semi-Matte, Satin and Gloss	See manufacturer's instructions and MSDS	Minimal colour change to raw material	osmoaustralia.com.au
Water Based Finishes Clean up with water. Maintains natural bamboo color without yellowing. Dries quickly, reducing time between coats. Non-toxic or less toxic than solvent-based finishes. Low to no odour during curing.				
Dulux Intergrain	Ultra Clear	Brush, roller or spray	Non -toxic, easy to apply, great transparency	Dulux Trade Centres, Paint Spot, Bunnings
Cabot's Benchtop Clear	Satin or Gloss	Brush, roller or spray	Heat resistant, food-safe, non-yellowing, low odour	Dulux Trade Centres, Paint Spot, Bunnings

Important Information

Panels are shipped unsanded with 8-15% moisture content. As a natural material, bamboo moves and is susceptible to fungal attack when exposed to moisture or dry conditions. Seal all faces promptly after cutting and assembly to maintain stability.

When laminating bamboo to substrates (MDF or plywood), use water-based, non-toxic adhesives. For large panels or table tops, apply bamboo to both sides of the substrate to prevent warping or twisting.

Bamboo panels vary in color and grain between batches. If matching is critical, notify us before ordering - we can supply from the same batch and provide a sample for approval.

LETO[™]Bamboo panels are suitable for interior use only.

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