

# BamBüPly®



Jacobs Elementary School, MA US  
Amber Vertical 3-ply Bamboo plywood  
Polybois Inc. – Architectural Millwork

## BamBüPly® Bamboo Plywood and Veneers

BamBüPly® bamboo plywood by Bamboo Design offers the perfect combination of design, durability, and environmental responsibility for modern projects. Manufactured from high-density, solid bamboo pressed into multi-layered sheets, these architectural-grade panels showcase a refined grain, warm texture, and superior strength that exceeds traditional hardwoods. Each panel is produced using a precise cross-laminated process that ensures exceptional dimensional stability and resistance to warping, setting BamBüPly® apart from standard wood panels and solid lumber.

### Versatile and High-Performance

Perfect for residential and commercial applications, BamBüPly® is ideal for custom furniture, countertops, staircases, partitions, ceilings, kitchens, bathrooms, or decorative accents. The multilayer structure (1, 3, or 5-ply, cross-laminated solid bamboo strips) delivers maximum strength with minimal shrinkage, outperforming solid wood in long-term stability and durability.

### Available Grain & Colours

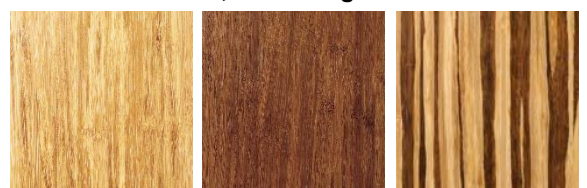
Natural & Amber Vertical



Natural & Amber Horizontal



Natural, Java & Tiger Strand



### BamBüPly® Key Advantages:

- **Exceptional stability:** Multilayer design limits movement versus solid wood.
- **Eco-friendly:** Renewable bamboo, FSC® & CARB II certified, LEED ready.
- **Flexible use:** Multiple sizes, colors, and finishes for design freedom.
- **Extra hard:** Janka hardness up to 3000 lbf, harder than red oak. Ideal for cabinetry, millwork, and interior applications



5-Star Shangri-La Hotel Toronto, CAN  
 Amber Vertical Bamboo plywood, custom CNC design  
 Beaubois – Architectural Millwork

## Natural Elegance

BamBüPly® bamboo plywood elevates every interior design project, whether residential or commercial. With a wide range of sizes, tones, and textures, these panels enable unique creations, from custom furniture to elegant wall cladding. The refined finish highlights the natural beauty of bamboo and blends seamlessly with any design style, classic or contemporary.

## Superior Strength

BamBüPly®'s innovative construction, based on full-length solid bamboo strips, ensures outstanding dimensional stability and lasting durability. These panels are resistant to impact and wear, making them an eco-friendly and robust alternative to traditional hardwoods. Their density and hardness make them the perfect choice for demanding applications like countertops, staircases, doors, or heavy-duty furniture.

## Lasting Versatility

Designed for a wide range of purposes—furniture, cabinetry, countertops, partitions, casings, stairs, or ceilings—BamBüPly® bamboo plywood delivers both performance and sustainability. Supplied unfinished for tailored design flexibility, it supports healthy environments with low-emission, FSC-certified renewable materials.

## Technical Specifications

### Core Specifications

- **Composition:** Laminated solid bamboo — 100% natural fibers
- **Structure:** 1-, 3-, or 5-ply cross-laminated for optimal stability
- **Standard dimensions :** 2440 x 1220 mm (4' x 8')
- **Thicknesses:** 3, 7, 12, 19, 38 mm
- **Density:** 700–1050 kg/m<sup>3</sup>, depending on construction
- **Finishing:** Unfinished, sanded — compatible with all custom finishes

### Performance et Resistance

- **Dureté Brinell :** ≥ 4 kg/mm<sup>2</sup> (standard) – ≥ 9,5 kg/mm<sup>2</sup> (haute densité) (EN 1534)
- **Shrinkage/Swelling:** 0.14% per 1% humidity change (superior to red oak, maple, pine)
- **Fire resistance:** Class C (North American standard); Class A/B available upon request
- **Equilibrium moisture:** 8–10% at 20°C and 35–65% relative humidity

### Environmental & Health Certifications

- **Formaldehyde emissions:** E0 (<0.025 mg/m<sup>3</sup>, EN 717-1); CARB II compliant
- **FSC® certification available on request**
- **LEED v4/v4.1 credits:** rapidly renewable materials (MRc6), low-emission materials (EQc2), certified wood (MR 7)

### Warranty & Applications

- **Warranty:** 5 years residential, 1 year commercial
- **Recommended uses:** Furniture, cabinetry, countertops, partitions, stairs, ceilings, wall cladding

### Distribution

- Distributed throughout Canada: Quebec, Ontario, British Columbia, Maritimes.