



# Plantation **BAMBOO** **PANELS**

thinking of our **FUTURE**



# Plantation BAMBOO PANELS

## About us

Plantation Bamboo (Plantation) is owned and operated by a local team of bamboo specialists.

Plantation was founded on the belief that bamboo holds the promise of a sustainable, cost-effective and ecologically benign alternative to mature hardwood forests and products.

Over the past ten years, we have been encouraged by the number of customers who have seen the potential and beauty of bamboo. As well as a stylish and functional interior building solution, bamboo is also a product that has the ability to relieve pressure on the world's natural hardwood stocks.

Plantation is a reliable company – one that offers free advice, technical support, manufacturing information and thorough product testing.

Our expertise in sustainable bamboo panels and wide array of bamboo products is unparalleled. We are knowledgeable and passionate about what we do and we look forward to sharing this with you.

Plantation imports and sells bamboo products New Zealand wide. We have a strong relationship with a world leading and reputable international supplier.

## Plantation Bamboo Panels

Bamboo interior panels are a stunning alternative to hardwood panel products and plywood. The success of the product lies in its fantastic strength, sustainability, great looks and amazing versatility.

We have been encouraged by the number of customers who have seen the potential of bamboo as a stylish and functional building material.

Plantation offers a range of bamboo panels with comprehensive warranties, technical and installation support, manufacturing information and thorough product testing.

Plantation bamboo panels are manufactured using advanced European technology, and are cross laminated into 3 or 5 ply to ensure long lasting stability and durability.

## Vertical and Compressed Panels

**Vertical Bamboo Panel:** The outside surface of the bamboo panel is manufactured using vertical strips of bamboo laminated together, giving a somewhat striped, uniform look. The grain runs along the longest length of the panel. Panels are available in Natural and Coffee colours. Panel dimensions are 2440mm x 1220mm. Please see Schedule 1 for product dimensions and weights.

**Compressed Bamboo Panel:** The outside surface of the bamboo panel is compressed bamboo, giving a dense and natural wood-grain look. A compressed panel is more dense, harder and heavier than a similar sized vertical panel. Panels are available in Natural and Coffee colours. Panel dimensions are 1850mm x 1220mm and the larger 2440mm x 1220mm size (in most thicknesses). Please see Schedule 1 for product dimensions and weights.



## Product Overview

- Every panel uses continuous bamboo: there are no breaks or seams across the surface of the panel. Furthermore, the edges offer a beautiful grain pattern that does not need to be edge-banded. The unique edge grain is a signature look of the bamboo panels
- Bamboo panels are supplied unfinished, allowing you the ultimate in choice for finishes, whether it be an oil, lacquer or stain.
- For stability and strength the panels are manufactured using high pressure
- The panels are manufactured without toxic glue resins, and fall well below E1 requirements for VOC (Volatile Organic Compounds) levels
- All of our bamboo panels are graded for quality, colour, thickness and sizing, to ensure a consistent, uniform product
- Plantation is a leader in the growing industry of bamboo panel products. These panels are a superb option to give any project the 'x factor'
- Phyllostachys Pubescens (common name: Moso Bamboo) is harvested at maturity at 5-6 years for maximum fibre density, stability and hardness and is used in all Plantation bamboo products
- Please see our bamboo panel data sheet (on our website) for more detailed information

## Finishing

After fabrication, all exposed surfaces and edges must be covered and finished with at least two coats of suitable oil, polyurethane or lacquer. We recommend considering Woca oil – a high quality Danish oil with a range of all-natural, vegetable oil based timber finishes that enhances and protects the bamboo panel from within. Woca produces a “work-top” oil and waterproof





## Supplier Information

Plantation is excited to be part of the global innovation and movement towards using bamboo as a truly stunning building material.

Plantation has an exclusive partnership with our supplier MOSO International ([www.moso.eu](http://www.moso.eu)). With 20 years' experience in the relative young bamboo industry, MOSO International is the pioneer in innovative bamboo solutions for indoors and outdoors. MOSO®, with its head office in the Netherlands, is recognised as the global A brand in bamboo because of its focus on sustainability, product quality and innovation.

**Sustainability** - MOSO has put a lot of effort in actually proving the ecological soundness of its products. All green claims are backed up by impact studies such as carbon footprint, eco-labels etc from independent institutes.

**Quality** - unlike many other companies sourcing in China, MOSO® Quality Control inspectors inspect and are involved in the production process from A to Z.

**Innovation** - based on the unique, versatile qualities of bamboo, MOSO has always played a leading role in developing new, leading edge solutions.

## Suggested uses

Plantation bamboo panels are designed for interior, non-structural applications, such as:

- Kitchen cabinets and joinery
- Bench tops
- Serving counters and tables
- Stairs, including tread, riser, stringer and hand rails
- Furniture
- Shelving, wardrobes and cabinetry
- Overlay wall and ceiling linings
- Doors and cavity sliders, and much more...



## Handling & storage

The following basic steps in handling and storage are recommended to help avoid or minimise some of the problems associated with wood movement:

- Panels should be stored flat on raised runners of equal thickness
- Carry panels on edge and support horizontally to prevent cracking along the grain
- Humidity and temperature controls that are capable of maintaining a constant 40 to 60% relative humidity and 65 to 75°F (18-24° C) should be installed
- Extremes of heat and cold should be avoided
- Panels stored in an uncontrolled environment should be brought into the fabrication area 24 to 48 hours prior to being processed. Again, they should be stacked flat on raised runners of equal thickness. Evenly distributed weighting of the stack will help the panels acclimatize uniformly
- Sanding by the fabricator prior to finishing is always recommended
- Vertical Bamboo Panels are supplied unfinished. After fabrication, all exposed surfaces and edges must be covered and finished with at least two coats of suitable oil, polyurethane or lacquer.
- Allowance for linear expansion should be incorporated into the design of the product
- Panel products should not be taken to a job site until the site is completely ready for the product to be installed. They should be allowed to acclimatize to the job site before installation.

- Wall panels should not be installed over wet or unfinished drywall
- Plantation Bamboo Panels are for interior use only
- Inspect every sheet before using, for uniformity
- Please use a sharp, fine toothed blade when cutting bamboo panels

## Summary

Plantation is excited about the opportunity to work with you. Please contact any of our team members to discuss your project and potential options further - **think bamboo, think Plantation!**

## Contacts

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# Schedule 1

## Panel dimension and weight

### Vertical Bamboo Panel

dimensions	thickness	per panel
2440 x 1220mm	x 7mm	14.2 kgs
	x 15 mm	30.4 kgs
	x 18 mm	36.4 kgs
	x 20 mm	40.5 kgs
	x 30 mm	60.7 kgs
	x 40 mm	81.0 kgs
<b>SOLID Vertical Bamboo Panel</b>		
2440 x 1220mm	X 19 mm	38.0 kgs

### Compressed Bamboo Panel

dimensions	thickness	per panel
1850 x 1220mm	x 15 mm	29.7 kgs
	x 18 mm	35.2 kgs
	x 20 mm	38.3 kgs
	x 30 mm	53.7 kgs
	x 40 mm	69.0 kgs
<b>SOLID Compressed Bamboo Panel</b>		
2440 x 1220mm	x 15 mm	39.1 kgs
	x 18 mm	46.4 kgs
	x 20 mm	50.5 kgs
	x 40 mm	91.0 kgs

