

## Bamboo Co Eco-Shield External/Internal Wall & Ceiling Boards

Bamboo Co Eco-Shield External/Internal Wall & Ceiling boards have been processed using a patented technology resulting in an extremely high density, anti-corrosive product that withstands the harshest of conditions. Bamboo Co Eco-Shield Wall & Ceiling boards have superior stability to other natural products on the market, whilst also benefiting from being termite resistant.



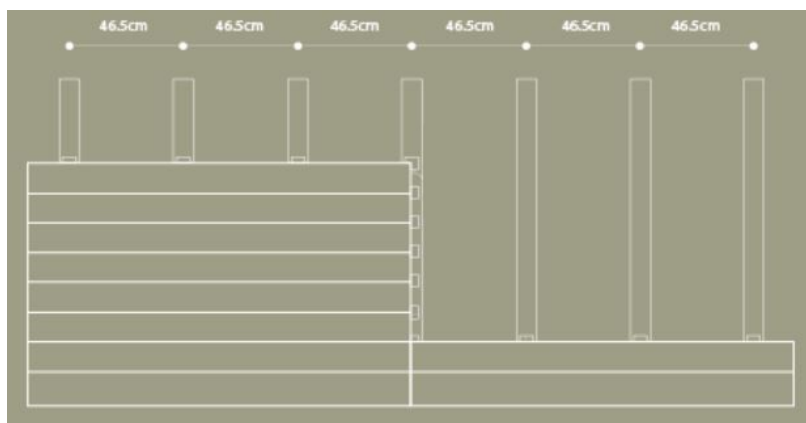
Product Code	Color / Finish	Surface	Tongue & Groove	Dimensions
T&G-NAT-25	Natural / Woca Oil	Reversible	Yes	1860*103*12mm

Technical Characteristics and Certifications		
Test item	Result	Standard
Fire Resistance Class	Bf1	EN 13501-1:2007
UV Exposure	grade 4	ISO 4892-3:2016
Hardness	106.8N/mm <sup>2</sup>	
Bending Strength	95.5N/mm <sup>2</sup>	characteristic value - EN 408
Density	1200Kg/m <sup>3</sup>	
Moisture Rate	7-12%	
Formaldehyde Release	0.1mg/m <sup>2</sup> h	GB/T17657-2013
Expansion Rate After 1 Hour In Boiling Water	4-5%	
Static Bending Strength	74.4N/mm <sup>2</sup>	DIN EN 408
Determination of Resistance	8.61N/mm <sup>2</sup>	EN1534-2010
Modulus of Elasticity	19100N/mm <sup>2</sup>	DIN EN 408
Specific Gravity	1.2kg/m <sup>3</sup>	ASTM D2395-07 Method A
Light Ageing Test-UV Exposure	grey scale 3-4	ISO 4892-3:2016 Cycle 1&ISO 105-A02:1993/Cor.2 :2005
Resistance to Indentation	9.5kg/mm <sup>2</sup>	EN1534
Warranty	25 Years	

### Storage Summary

Bamboo Co Eco-Shield External/Internal Wall & Ceiling boards should be stored inside, raised above the ground (on a level pallet), horizontally, in a dry, clean, pest free location. *(Defects caused by improper storage, will not be covered by the warranty)*





## Installation Summary

If the product is being installed internally, allow the boards to acclimatise for 48 hours to avoid warping or expansion.

If installing externally, it is essential to ensure there is good ventilation between the wall and the product.

- 1 Use studs (metal, wood or bamboo) to attach the bamboo and evenly space with an optimal distance of 465mm (center of stud to center of stud) to reduce waste.
- 2 Fix the boards with screws or finishing nails, according to the stud material. For ceiling applications use construction adhesive for extra hold.
- 3 When installing the first board, start from the bottom and complete the first row making sure every board is perfectly level. This will prevent issues further along in the process.
- 4 Treat all cut ends with recommended varnish for further protection.
- 5 Use suitable trims to finish.

## Maintenance Summary

*Bamboo Co Eco-Shield External Wall & Ceiling is a natural product, therefore the appearance (color and grain) can vary. The boards texture and color will change over time, depending on the climate and customers chosen maintenance schedule.*

Cleaning your Eco-Shield Wall & Ceiling boards regularly will maintain its appearance and longevity. (Do not use a pressure washer)

- 1 **Regularly dust or brush:** To avoid a build-up of debris which will look unsightly but also risk scratching the surface.
- 2 **Interior:** Use a damp cloth (not excessively wet) to clean the surface. Use mild soapy warm water or a wood cleaner designed for bamboo or wood surfaces. Do not use harsh chemicals or bleach as this will damage the surface.
- 3 **Exterior:** Use a soft bristle brush and warm soapy water or a mild wood cleaner designed for bamboo or wood. Do not use harsh chemicals or bleach as this will damage the surface.
- 4 **Dry :** Allow to air dry completely.
- 6 **Apply Woca Oil:** To further protect the bamboo from moisture and UV damage, you can apply an external bamboo decking oil (we recommend Woca Oil - please refer to our Woca Oil Guide)



Note: Care has been taken to ensure the accuracy of this information. The information is subject to change. Please refer to our website for the most upto date version.

