



SPECIES	ECO-BAMBOO
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The superior strength and durability of Strandwoven Bamboo makes it the perfect choice for any high traffic applications or commercial fit-out. The dual colour range of Harmony Eco-Bamboo adds to the diversity of this modern alternative. Not just strong but aesthetically striking Bamboo is adaptable to almost any design decor delivering a touch of oriental Zen to your next project.

General Characteristic

Strandwoven Bamboo is one of the most durable hardwoods available today. During manufacture the filaments of the bamboo are mixed in a low-VOC heat sensitive resin and then compressed under extreme pressure to form a very consistent and dense log. These logs are then milled to produce floorboards. Eco Strandwoven Bamboo comes in two distinct shades Natural featuring honey coloured light tones or Carbonised featuring coffee and caramel tones. Both colour choices retain the same structural and physical properties.



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|----------------------------------|------------------------|
| Phyllostachys vivax | Chinese Timber Bamboo |
| Bambusa sinospinosa | Chinese Thorny Bamboo |
| Phyllostachys bambusoides | Japanese Timber Bamboo |
| Phyllostachys pubescens | Moso Bamboo |
| Phyllostachys nigra | Snakeskin Bamboo |
| Phyllostachys dulcis | Sweet Shoot Bamboo |



9 coat
lacquer
system



eco-select
sustainably
harvested



cold
pressed solid
construction



easy care



lifetime
structural
warranty



25 year
surface
warranty

MECHANICAL VALUES

Category	Green	Dry	Units
Weight			lbs/cu.ft
Density (air-dry)			lbs/cu.ft
Specific Gravity		0.68	
Hardness		2830	lbs
Stiffness		1200	1000 psi
Bending Strength		15800	psi
Shearing Strength		2330	psi
Max. Crushing Strength		7830	psi
Work to Maximum Load		16	in-lbs/in ³
Radial Shrinkage (G->OD)		5	%
Tangential Shrink. (G->OD)		10	%
Volumetric Shrink (G->OD)		15	%

PRODUCT SPECIFICATION



Species	Eco-Bamboo
Dimensions	96mm x 14mm x 1830
Format	Solid T&G end-matched
Finish	9 coats of Klumpp Aluminium Oxide Anti Scratch Build Up With Hardener (60%)
Luster	Satin Finish 65% - 35%
Edges	Micro-bevelled
Installation	Dual Installation Direct Stick or Tongue and Groove Glued
Moisture Content	10-12%
External Expansion	Allow an expansion joint to perimeter 10-15mm from the wall and all internal joinery. Expansion joint to be caulked and or covered with timber skirting or Harmony Hardwood Scotia.
Internal Expansion	Allow an expansion joint of 10mm for every 6 metres of flooring. Expansion joint caulked and or covered with Harmony Hardwood T-mould or Harmony Aluminium T-mould.

Code	Product	Dimensions
ECO-001	Harmony Eco-Bamboo Natural	96mm x 14mm x 1830mm
ECO-001	Harmony Eco-Bamboo Carbonised	96mm x 14mm x 1830mm
NB-001	Harmony Eco-Bamboo Natural Scotia	15mm x 1830mm
CB-001	Harmony Eco-Bamboo Carbonised Scotia	15mm x 1830mm
NB-002	Harmony Eco-Bamboo Natural T-Mould	20mm x 1830mm
CB-002	Harmony Eco-Bamboo Carbonised T-Mould	20mm x 1830mm
NB-003	Harmony Eco-Bamboo Natural Stairnose	96mm x 14mm x 1830mm
CB-003	Harmony Eco-Bamboo Carbonised Stairnose	96mm x 14mm x 1830mm
NB-004	Harmony Eco-Bamboo Natural Cover	300mm x 14mm x 1830mm
CB-004	Harmony Eco-Bamboo Carbonised Cover	300mm x 14mm x 1830mm
NB-005	Harmony Eco-Bamboo Natural Stair Tread	300mm x 14mm x 1830mm
CB-005	Harmony Eco-Bamboo Carbonised Stair Tread	300mm x 14mm x 1830mm
NB-006	Harmony Eco-Bamboo Natural Stair Riser	300mm x 14mm x 1830mm
CB-006	Harmony Eco-Bamboo Carbonised Riser	300mm x 14mm x 1830mm
NB-007	Harmony Eco-Bamboo Natural Skirting Boards	300mm x 14mm x 1830mm
CB-007	Harmony Eco-Bamboo Carbonised Skirting Boards	300mm x 14mm x 1830mm
ADD-001	Harmony Eco-Bamboo D4 Adhesive	500ml

Origin:

Predominately throughout Asia

Properties:

Bamboo is a renewable resource due to its short growth time requirement. It only takes about four years from planting to harvest time to prepare it for flooring applications. This flooring also has the added benefit of being highly resistant to moisture absorption. Therefore if humidity is an issue, bamboo flooring offers a material which will remain true in shape.

Janka Hardness: 3000

The numbers can vary somewhat due to the process and chemicals used to produce the optional caramelised or carbonised colorings in some bamboo flooring. Another factor is the particular species of bamboo used in the flooring. As a point of reference, one species is described here. When left with a natural finish, bamboo has a janka rating of 3000. If carbonised to produce a darker colour, bamboo hardness drops to 2850.

Workability:

Because it is such a dense product, bamboo does not respond to staining. This is why the manufacturer of bamboo flooring provides a carbonised variety of the product. The process involves pressure steaming the bamboo to produce a darker variety similar to the lighter stains found on most of the other varieties of hardwood flooring.

Principal Uses:

Bamboo's uses include flooring, housing, chopsticks, hats, and basic construction.