

Technical Data Sheet, Espresso

Item: 198810

Product Description

FSC® Bambus FacadePlank Pro™, Espresso is solid and high density board, made from compressed bamboo fibers with a special, patented heat treatment process, making it one of the strongest, hardest and most durable materials on the market to create the perfect space for exterior entertainment and relaxation. Cladding is available in 1 shape: 100mm with profile which is installed with clips. Like any untreated tropical hardwood species, when exposed to exterior condition, cladding will turn grey over time creating a very natural look.

Product Technical Specification and Tolerance

Properties	Standard
Dimension and Tolerance	dimension : 1860mm x 100mm x 12mm length tolerance: ±1mm width tolerance: ±0.2mm thickness tolerance: ±0.2mm T&G tolerance: 0 - 0.15mm
Density/Specific Gravity	1,100kg/m ³
Moisture content	10%±2
Reaction to fire clasification	C-s1, d0 (EN 13501) – Bs1, d0 if surface treated with fire resistant paint
Hardness	106.8N/mm ² (DIN EN 1534)
Static Bending Strength	74.4N/mm ² (DIN EN 408)
Modulus of Elasticity	19100N/mm ² (DIN EN 408)
Termite Resistance Level	DC M (EN117)
Biological Durability	CLASS 1 (EN 350:2016)
Release of Formaldehyde	E1(0.1mg/m ² h) (GB/T17657-2013)
Swelling rate in thickness	4.6% (DIN EN 15534-1)
Swelling rate in width	0.6% (DIN EN 15534-1)
Swelling rate in length	0.1% (DIN EN 15534-1)
Water absorption	4.2% (DIN EN 15534-1)
Appearance	Main surface grain are straights, and texture smooth, the color is greyish brown when unfinished and turn to rich dark brown after primed with penetrating oiled. Natural grain and color may vary as this is a natural fiber product

Cupping	≤ 0.3 mm
Warping	≤ 6mm and quantity is less than 10%.
Banana Shape	≤ 1mm/m along the length of the panels
Bamboo Nodes	Nodes are separated its width ≤ 10 mm.
Height Difference	≤ 0.5mm
Tool Marks	Minor
T&G	Waxed, dimension as shown in technical drawing
Finishes	WOCA fully cured, uniform with no excess
Thickness Swelling Rate of Water Absorption Test	≤ 3%, no obvious cracking in cross cut end in 100°C hot water for 1 hour
Packaging and label	According to packaging layout drawing, check the label

Storage

- The warehouse should be well ventilated, with relative humidity from 45 to 75% at temperatures ranging from 50°F (+10°C) to 104°F (+40°C).
- Do not store product in pest infested and/or unsuitable warehouse.
- Leave the products in its original package when not in use, cover the bundles from top and bottom to avoid the influence of climatic events and other environmental hazards.
- Store the product horizontally on the ground with pallet shoe on every pallet. The bottom pallet should be placed on an even footing on spacer-pads or palettes. The maximum height of stacked bundles should not exceed 4.5 m.
- The difference between the spacers should not be more than 600mm, with distance of starting and ending spacer from the edge of the bundle not exceeding 200mm (the number of spacers should not be less than 3).

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