

## 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
<b>Dimension and Tolerance</b>	dimension : 1860mm x 100mm x 12mm length tolerance: $\pm 1$ mm width tolerance: $\pm 0.2$ mm thickness tolerance: $\pm 0.2$ mm T&G tolerance: 0 - 0.15mm
<b>Density/Specific Gravity</b>	1,100kg/m <sup>3</sup>
<b>Moisture content</b>	10% $\pm$ 2
<b>Reaction to fire clasification</b>	C-s1, d0 (EN 13501) – Bs1, d0 if surface treated with fire resistant paint
<b>Hardness</b>	106.8N/mm <sup>2</sup> (DIN EN 1534)
<b>Static Bending Strength</b>	74.4N/mm <sup>2</sup> (DIN EN 408)
<b>Modulus of Elasticity</b>	19100N/mm <sup>2</sup> (DIN EN 408)
<b>Termite Resistance Level</b>	DC M (EN117)
<b>Biological Durability</b>	CLASS 1 (EN 350:2016)
<b>Release of Formaldehyde</b>	E1(0.1mg/m <sup>2</sup> h) (GB/T17657-2013)
<b>Swelling rate in thinkness</b>	4.6% (DIN EN 15534-1)
<b>Swelling rate in width</b>	0.6% (DIN EN 15534-1)

<b>Swelling rate in length</b>	0.1% (DIN EN 15534-1)
<b>Water absorption</b>	4.2% (DIN EN 15534-1)
<b>Appearance</b>	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
<b>Cupping</b>	≤ 0.3 mm
<b>Warping</b>	≤ 6mm and quantity is less than 10%.
<b>Banana Shape</b>	≤ 1mm/m along the length of the panels
<b>Bamboo Nodes</b>	Nodes are separated its width ≤ 10 mm.
<b>Height Difference</b>	≤ 0.5mm
<b>Tool Marks</b>	Minor
<b>T&amp;G</b>	Waxed, dimension as shown in technical drawing
<b>Finishes</b>	WOCA fully cured, uniform with no excess
<b>Thickness Swelling Rate of Water Absorption Test</b>	≤ 3%, no obvious cracking in cross cut end in 100°C hot water for 1 hour
<b>Packaging and label</b>	According to packaging layout drawing, check the label
<b>Storage</b>	
<ul style="list-style-type: none"> <li>• 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).</li> <li>• Do not store product in pest infested and/or unsuitable warehouse.</li> <li>• 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.</li> <li>• 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.</li> <li>• 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).</li> </ul>	

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