

Thermo-treated Bamboo

Thermo-treated Bamboo is a of exceptional dimensional stability and hardness. Thanks to its patented heat treatment and high density, the material is not subject to torsional phenomena and is highly resistant to weathering.

It has a dark brown color and is suited for private, residential, public and commercial uses, as well as low environmental impact projects.

In the months following laying, a slight swelling of the surface fibres may occur due to the action of atmospheric agents and a low level of foot traffic. To restore the perfectly smooth surface, about 4/8 months after laying during the first routine maintenance, smooth the tread surface before applying maintenance products.



physical properties

botanical name	Phyllostachys eterocicla
average mass density	1,200 kg/m ³
dimensional stability - average cumulative value (24 hours of immersion in water at 20°C)	1.13%
average Brinell hardness (EN 1534)	87 N/mm ²

mechanical properties

average bending strength	50.30 MPa
average modulus of elasticity	13,565 MPa



natural durability

biological durability (EN350/CEN/TS 15083)	very durable - class 1
Blue Stain fungi resistance (EN152)	class 0
use class (EN335)	outside in contact with the ground and/or fresh water - class 4

properties by conditions of use

grade R slipperiness (DIN 51130)	wet	R10
	dry	R11
fire reaction (UNI EN ISO 9239, UNI EN ISO 11925-2, UNI EN 13501-1)		Bfl-s1
flame propagation index (ASTM E84)		class A



Data Source: manufacturer

Thermo-treated Bamboo is not included in the category of products regulated by UNI 11538-1 being it is a product of non-woody origin.

Tolerance: the dimensions of the boards indicated by Ravaoli Legnami are nominal, with variations up to a maximum of 5% in case of milling.

Color changes and the greying process are natural effects on material when it is exposed to atmospheric agents: in order to avoid this, a regular maintenance with specific products is recommended.

