



Thermo Bamboo

Technical Datasheet

Thermo Bamboo

Thermo treated bamboo is a decking product of very high dimensional stability and hardness. It is manufactured with a patented heat treatment process to produce a material with high density, highly resistant to weathering with resistance to twisting and torsional phenomena.

It has an attractive dark brown colour and will fade and weather to some extent over time. It is ideal commercial as well as private, residential projects. Due to its characteristics, it can be used in environmentally sensitive and low impact applications.

In the months following laying, thermo bamboo can swell to a small extent as it acclimatises to the environment. To restore the original smooth surface, sand the boards approximately 4 to 8 months after



installation and treat with clear natural oil.

Thermo Bamboo carries a 25-year performance warranty.

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) – exterior, exposure to ground and/or fresh water	Class 4

Properties by Conditions of Use

Grade R slipperiness (DIN 51130)	wet dry	R10 R11
Fire reaction (UNI EN ISO 9239, UNI EN ISO 11925-2, UNI EN 13501-1)		Bfl-s1
Flame propagation index US (ASTM E84)		Class A



Data Source: manufacturer

Bamboo Elegance is not included in the category of products regulated by UNI 11538-1 as it is a product not of wood origin.

Tolerance: maximum variance up to 5% during milling.