



## Bamboo Elegance Technical Datasheet

### Bamboo Elegance

Bamboo Elegance is a high quality, ultra-hard bamboo fibre decking material manufactured with a patented heat treatment process.

It has a special aged effect finishing surface coating creating a rare, rich, natural appearance with high performance and a greater resistance UV fading and to staining.

Bamboo Elegance has superior resistance to weathering, is highly resistant to water absorption, has a high level of dimensional stability and carries a 25-year performance warranty.



### Physical Properties

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Botanical name	Phyllostachys Eterocicla
Average mass density	1,200 kg/m <sup>3</sup>
Dimensional stability - average cumulative value (24 hours of immersion in water at 20°C)	1.13%
Average Brinell hardness (EN 1534)	87 N/mm <sup>2</sup>

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## Mechanical Properties

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Average bending strength	50.30 MPa
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Average modulus of elasticity	13,565 MPa
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## Natural Durability

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Biological durability (EN350/CEN/TS 15083)	very durable - Class 1
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Blue Stain fungi resistance (EN152)	Class 0
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Use class (EN335) – exterior, exposure to ground and/or fresh water	Class 4
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## Properties by Conditions of Use

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Grade R slipperiness (DIN 51130)	wet	R10
	dry	R11

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Fire reaction (UNI EN ISO 9239, UNI EN ISO 11925-2, UNI EN 13501-1)	Bfl-s1
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Flame propagation index US (ASTM E84)	Class A
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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.