

Technical Sheet

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Description

Engineered durable natural wood element.

Bonding suitable for use in outdoor environments (uni EN314 – class 3) **E1**

Suitable for shipbuilding of all kinds, above deck structures, furnishings

Blue Teak maintains the aesthetic appearance of Solid Teak, reproducing the typical striped grain thanks to the adhesive lines, without surface defects.

The physical and mechanical characteristics of solid teak, such as resistance to water, wear and dimensional stability, are replicated or improved in an **FSC® (FSC-C111413)** certified reforestation wood product while respecting the environment.

Blue Teak is a product made by **Basso Legnami** exclusively developed for **Wolz Nautic Italy Srl**.

Characteristics	Standard	MU	Value	Notes
Commercial name			Blue Teak	
Density (bulk)	ISO 13061-2	Kg/m ³	680 ± 50	
Surface hardness	UNI 11538-1	Class	II - III	
Average Volumetric shrinkage coefficient		%	0.34	
Fibers' saturation point (PsF)		%	0.3	
Breaking load under axial compression		MPa	56	
Static bending breaking load		MPa	98	
Elasticity module (avg)		MPa	13.740	
Dimensional stability	UNI 11538-1	Class	A	
Stiletto heel imprinting	UNI 4712	Mn	- 0.12	
Heartwood natural fungus durability	EN 350	Class	1-3	from Very Durable to Moderately Durable
Heartwood natural insects durability	EN 350	Class	D	Durable
Heartwood natural termites durability	EN 350	Class	M	Moderately Durable
Heartwood natural marine environment durability	EN 350	Class	M - D	from Very Durable to Moderately Durable
Heartwood impregnability	EN 350	Class	4	Non-impregnable
Shear bond strength	EN314-2	Class	3	For exterior application
Usage class	EN 355	Class	4 - 5	Exterior & Saltwater
Thermal conductivity (λ)	UNI 745	W/m·k.	0.18	
Dimensional tolerances on thickness (t)	EN315	mm	+ (0.8+0.03 t) - (0.4+0.03 t)	Tolerance on nominal thickness