

Lamboo® Elite™ Technical Data Sheet

Bamboo Marine Grade Plywood

Description

Lamboo® Elite™ Marine Grade Plywood has extremely high performance and durability attributes. This series of engineered bamboo panels can be glued with type 1 exterior grade adhesives, and is a solid bamboo product from core to face. This product is specific to nautical and marine applications that want to attain longevity. Elite™ panels include proprietary manufacturing processes & bonding agents to resist moisture and last throughout harsh environments.



CHARACTERISTICS	NORM	UNIT	VALUE				
PANEL THICKNESS	EN315	mm	6	9.5	13	16	19
LAYERS (Vertical Grain Layers)		mm	2 (face) 2 (core) 2 (face)	3 (face) 3.5 (core) 3 (face)	3 (face) 7 (core) 3 (face)	3 (face) 10 (core) 3 (face)	3 (face) 13 (core) 3 (face)
GLUING	EN314		Type 1 Exterior Adhesive (Class 3)				
BAMBOO SPECIES			Phyllostachys Pubescens				
SURFACE WEIGHT	EN323	Kg/m ²	3.8	5.8	7.7	9.6	11.6
STANDARD SIZES	EN315	mm	610mm x 2440mm 1220mm x 2440mm				
BENDING STRENGTH PARALLEL TO GRAIN	EN310	MPa	73.5	69.2	65.5	61.25	57.5
BENDING STRENGTH PERPENDICULAR TO GRAIN	EN310	MPa	17.75	23.25	27.6	32.5	36.75
MODULAS OF ELASTICITY (MOE) PARALLEL TO GRAIN	EN310	MPa	3,448	5,172	6,895	8,624	10,352
MODULAS OF ELASTICITY (MOE) PERPENDICULAR TO GRAIN	EN310	MPa	2,586	3,879	5,172	6,468	7,764
THERMAL CONDUCTIVITY	UNI 7745	W/m•K	0.167				