

Bamnova

Bamboo Product Performance

Item	Parameter	Standard
Material	100% solid moso bamboo	
Density	680-770 kg/ m ³	
Moisture Content	9-12%	
Bending Strength Elasticity Modulus	99.8MPa 8210MPa	GB/T 24508-2020 & GB/T 17657-2013
Water Absorption & Thickness Swell	Water Absorption: 3.8% Thickness Swell: 0.09%	ASTM D 1037-12(2020)
Barefoot Ramp Test , Slip resistance	Tilt angle 25°, Classified as Grade C, highest level	DIN 51097:1992
Shod Ramp Test, Slip resistance	≥R11	DIN EN 16165:2023-02
Mold Resistance	Mold growth level 0, No visible mold	SHR
Durability & Anti-Corrosion	Class 1, Strong corrosion resistance	CEN/TS 15083-1:2005
Frost Resistance	Bending strength after frost Resistance: 94.5MPa Bending strength retention rate: 94.7%	GB/T 24508-2020 & GB/T 24508-2020 & GB/T 17657-2013
Formaldehyde Emission	0.006 ppm, ≤ CARB Phase II 0.05 ppm;	ASTM D6007
	0.015mg/m ³ , ENF≤0.025 mg/m ³	GB/T 39600-2021
Chemical Resistance - 5% Salt Solution	No visible effect after 72h exposure	ASTM D1308
Chemical Resistance - Pool Water	No visible effect after 72h exposure	ASTM D1308
Service Life	25 years	

Specifications Properties	Length (mm)	Width (mm)	Thickness (mm)
Tolerance	±1	±0.75	±0.5