



DENSIFIED WOOD

Densified Wood is manufactured to comply with DIN 7707 and consists of selected rotary cut beech veneers, coated or impregnated with a synthetic resin. Following the application of the resin the veneers are assembled into a pack and pressed under high pressure and temperature to form a unique laminate material with excellent technical properties.

Densified Wood can be sawn, planed, milled, drilled, sanded, and turned on a lathe. The material can also be bonded together to form large blocks, polished, varnished and even tapped to accept machined threads

Densified Wood has a unique combination of properties – The main features are:

Low weight, High compressive strength, High modulus of elasticity in flexure, Temperature stability,

Low coefficient of linear expansion, Anti-static, Low thermal conductivity, High wear resistance

Corrosion and chemical resistant, Resistant to petrol, oil, and lubricants, Low coefficient of friction

Good electrical insulation, Water resistant

Colour Natural

Sheet Size 2000 X 1000 MM

Thickness 6 to 50MM

Properties	Test Method	Unit	B340
			DIN 7707 KP 20226
Density	DIN 53420	g/cm ³	1.4
Flexural Strength (Perpendicular and Parallel)	DIN 53452	N/mm ²	170
Tensile Strength	DIN 53455	N/mm ²	140
Compressive Strength (Perpendicular)	DIN 53454	N/mm ²	290
Modulus of Elasticity In Flexure	DIN 53452	N/mm ²	16,000
Water Absorption	DIN 53495	%	4
Coefficient of Thermal Expansion	-	K ⁻¹	8 X 10 ⁻⁶
Thermal Conductivity	-	W/mK	0.24
Operating Temperature Range	-	°C	-196 to 100
Material Construction	-	-	Cross Ply

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