

A Product Of



Greenlam
Industries Limited

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MikasaPly

SAPPHIRE

— • THE NO NONSENSE PLY • —



Sapphire is a superior-grade plywood composed of premium hardwood with 0.6mm face veneer thickness on each side. This grade is fire-retardant, providing safety against fire hazards. With a lifetime warranty, Sapphire is the ultimate choice for those who demand nothing but the finest quality in their plywood products.

TECHNICAL SPECIFICATION

Thickness in mm	4	6	9	12	16	19	25
Number of Plies	5	7	9	11	13	15	17

Face Veneer	0.6MM thick premium hardwood face
Fire Retardant	Yes
Emission Norms	Bonded with E0 certified resin
Veneer Treatment	Each veneer is treated with preservative before pressing through Vacuum Pressure Technology
Density approx. in kg per CBM	730
Nail Holding Strength (kg)	≥150
Screw Holding Strength (kg)	≥275
Impact Resistance	Excellent strength and dimensional stability due to higher number of plies
Quad-Core Press	Yes
100% Composed Veneer	All layers are pre-composed in an automatic state-of-the-art machine
Adhesives of Plies	
Glue Shear Strength (N)	≥1755
Visual Inspection	Excellent
Moisture Content (%)	8 -12
Specific Gravity (g/cc)	≥0.73
Water Absorption (%)	<5
Static Bending Strength (N/mm²)	
Modulus of Rupture (MOR):	
Along the grain	≥60
Across the grain	≥45
Modulus of Elasticity (MOE):	
Along the grain	≥9000
Across the grain	≥5200
Adhesive	Phenolic adhesive
Calibration	100% as per Precision Calibration Technology