

A Product Of



Greenlam
Industries Limited

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MikasaPly

FIRE GUARDIAN

— THE NO NONSENSE PLY —



Fire Guardian is the ideal choice for both domestic and commercial purposes due to its strong fire-retardant properties. This grade is ideal for kitchen woodwork, office furniture, and as entrances and exits. Fire Guardian is meticulously crafted to ensure a 25-year warranty and will prove useful in sensitive areas with heavy wiring.

TECHNICAL SPECIFICATION

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

Fire Retardant	Yes
Veneer Treatment	Each veneer is treated with preservative before pressing through Vacuum Pressure Technology
Density approx. in kg per CBM	700
Impact Resistance	High strength & dimensional stability
Screw Holding Strength (kg)	≥250
Nail Holding Strength (kg)	≥105
Quad-Core Press	Yes
Adhesives of Plies	
<i>Glue Shear Strength (N)</i>	≥1620
<i>Visual Inspection</i>	Excellent
100% Composed Veneer	All layers are pre-composed in an automatic state-of-the-art machine
Moisture Content (%)	8 - 12
Specific Gravity (g/cc)	≥0.70
Water Absorption (%)	<5
Static Bending Strength (N/mm²)	
Modulus of Rupture (MOR):	
<i>Along the grain</i>	≥55
<i>Across the grain</i>	≥40
Modulus of Elasticity (MOE):	
<i>Along the grain</i>	≥8000
<i>Across the grain</i>	≥4800
Adhesive	Phenolic adhesive
Emission Norms	Bonded with E1 certified resin
Calibration	100% as per Precision Calibration Technology