

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 30-year warranty and will prove useful in sensitive areas with heavy wiring.

## TECHNICAL SPECIFICATION

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

<b>Fire Retardant</b>	Yes, as per IS 5509:2021
<b>Veneer Treatment</b>	Each veneer is preservative treated with Vacuum Pressure Technology
<b>Density approx. in kg per CBM</b>	725
<b>Impact Resistance</b>	High strength & dimensional stability
<b>Screw Holding Strength (kg)</b>	≥250
<b>Nail Holding Strength (kg)</b>	≥105
<b>Quad-Core Press</b>	Yes
<b>Adhesives of Plies</b>	
Glue Shear Strength (N)	≥1620
Visual Inspection	Excellent
<b>100% Composed Veneer</b>	All layers are pre-composed in an automatic state-of-the-art machine
<b>Moisture Content (%)</b>	8 - 12
<b>Water Absorption (%)</b>	<5
<b>Static Bending Strength (N/mm<sup>2</sup>)</b>	
<b>Modulus of Rupture (MOR):</b>	
Along the grain	≥55
Across the grain	≥40
<b>Modulus of Elasticity (MOE):</b>	
Along the grain	≥8000
Across the grain	≥4800
<b>Adhesive</b>	Phenolic adhesive
<b>Emission Norms</b>	E1
<b>Calibration</b>	100% with Precision Calibration Technology