

A Product Of



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MikasaPly
FIRE GUARDIAN

The logo for MikasaPly, featuring a red square icon composed of concentric lines to the left of the brand name "MikasaPly" in red and blue. Below the name is a dark grey rectangular bar containing the words "FIRE GUARDIAN" in white.

—• 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							
Glue Shear Strength (N)	≥ 1620						
Visual Inspection	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):							
Along the grain	≥ 55						
Across the grain	≥ 40						
Modulus of Elasticity (MOE):							
Along the grain	≥ 8000						
Across the grain	≥ 4800						
Adhesive	Phenolic adhesive						
Emission Norms	Bonded with E1 certified resin						
Calibration	100% as per Precision Calibration Technology						