

A Product Of



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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 | | | | | | |