

TECHNICAL DATA SHEET

MAPLE PLYWOOD - 18 mm



Multi-layer plywood panel manufactured from wood veneers bonded with ULEF adhesive. Veneers are arranged in crosswise orientation (at 90° angles) to improve dimensional stability, strength, and stiffness.

Suitable for a wide range of industrial and commercial applications.

Technical Specifications

Thickness	18 mm
Thickness Variation Tolerance	+ 0.2 mm / - 0.5 mm
Dimensions	1220 mm x 2440 mm
Dimensions Variation Tolerance	+ 1.6 mm / - 0 mm
Squareness	≤ 2 mm
Ply Number	7
Density	511 kg/m ³ ± 5%
Glue Type	Urea Formaldehyde – Ultra low emission
Moisture Content	6% - 12%
Face Veneer Grade	C2 and D3

Mechanical Properties

		kg/cm ²	N/mm ²
Bending Strength (MOR)	Lengthwise	504	49
	Crosswise	549	54
Modulus of Elasticity (MOE)	Lengthwise	52,899	5,188
	Crosswise	69,966	6,861
Tensile Strength	Lengthwise	230	23
	Crosswise	319	31
Compression Strength	Lengthwise	172	17
	Crosswise	333	33
		kgf	N
Screw Holding Strength	Face	231	2,270

Based on ASTM Standards

Commitment To User Safety and Health

Formaldehyde Emission	** ≤ 0.05 ppm
Burning Rate	0.00 mm/min

** Certified ULEF-exempt according to CARB Phase II / ATCM 93120 and EPA TSCA Title VI standards

Face Wood Specie

Rotary Hard Maple.

Internal Wood Species Used

May include Brosimum utile, Dacryodes peruviana, Gmelina arborea, Huberodendron patinoi, Jacaranda copaia, Ocotea acutifolia, Schizolobium parahyba, Terminalia ivorensis, Terminalia superba, Virola duckei, Vochysia macrophylla, and others.

Applications

- **Furniture:** Kitchen cabinets, bathroom vanities, closet furniture, work surfaces.
- **Interior Construction:** Doors, partitions, shelving, structures.
- **Other:** Wooden boxes, packaging, musical instruments, mock-ups, toys, motorhomes.