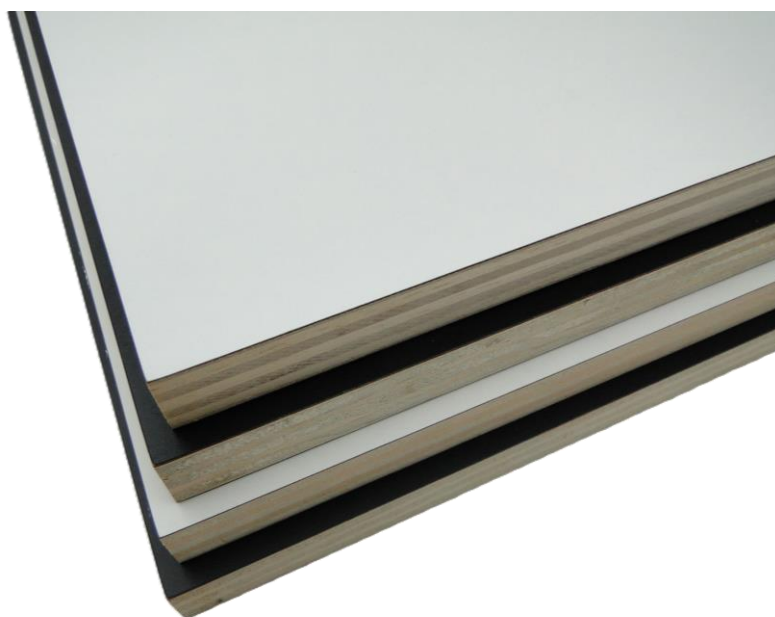


TECHNICAL DATA SHEET

SANDEPLY® HPL 1 SIDE - 18 mm



Multi-layer plywood panel composed of wood veneers bonded with a ULEF adhesive. The veneers are laid in a crosswise (90°) orientation to enhance dimensional stability, strength, and stiffness. The panel is finished with a high-pressure laminate (HPL) surface, manufactured by compressing multiple layers of resin-impregnated paper under high pressure and temperature. This provides superior resistance to impact, abrasion, moisture, and chemicals.

Suitable for a wide range of industrial and commercial applications.

Technical Specifications

Nominal 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	8
Density	531 kg/m³ ± 5%
Glue Type	Urea Formaldehyde and Polyvinyl acetate emulsion adhesive
Moisture Content	6% - 12%
Face Quality	B/C

Mechanical Properties

		kg/cm ²	N/mm ²
Bending Strength (MOR)	Lengthwise	367	36
	Crosswise	504	49
Modulus of Elasticity (MOE)	Lengthwise	60,382	5,921
	Crosswise	65,442	6,418
Tensile Strength	Lengthwise	109	11
	Crosswise	333	33
Compression Strength	Lengthwise	226	22
	Crosswise	294	29
		kgf	N
Screw Holding Strength	Face	210	2,063

Based on ASTM Standards

Commitment To User Safety and Health

Formaldehyde Emission	CARB – P2 CERTIFIED ATCM 93120 COMPLIANT EPA TSCA TITLE VI CERTIFIED 40 CFR § 770
Burning Rate	0.00 mm/min

Single-Sided Coating

High-Pressure Laminate (HPL): decorative laminate manufactured by compressing multiple layers of kraft paper impregnated with phenolic resin, topped with a decorative layer saturated with melamine resin, under high pressure and temperature.

Internal Wood Veneer 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 and uses

- **Furniture:** Office desks, school furniture, modular furniture, shelving units, counters.
- **Interior Construction:** Wall panels, restroom partitions, room dividers, cabinet panels.
- **Other:** Laboratory tables, store fixtures, double-sided displays, mobile homes, architectural panels.