

HYBRID INNOVATION BOARD

TECHNICAL DATA

Both Plywood & Blockboard are Super E0 certified ultra-low formaldehyde, safe for health.

Plywood: higher MOR, MOE, density superior structural strength, suitable for heavy-duty & load-bearing applications.

Blockboard: lighter weight, good screw-holding easier to work with, ideal for furniture and partitions.

Both: premium melanate surface, scratch-resistant, long-lasting beauty.

FINISHED	ENGINEERED MELANATE	ELITE MELANATE PRO (ANTI-FINGERPRINT)	ELITE MELANATE PRO GLOSS
ABRASION CYCLES DIN EN 13329	1000	2400	3400

PLYWOOD-BLOCKBOARD

PROPERTY	UNIT	MFP	MFB
		PLYWOOD (EUCALYPTUS CORE)	BLOCKBOARD (GOLDEN FIR CORE)
MOISTURE CONTENT	%	7.41	9.48
MOR (MODULUS OF RUPTURE)	MPa	64.25	35.16
MOE (MODULUS OF ELASTICITY)	MPa	6,996	5,207
DENSITY	kg/m ³	599	443
THICKNESS SWELLING (24H)	%	2.27	3.22
SCREW WITHDRAWAL – FACE	N	1,132	1,048
SCREW WITHDRAWAL – EDGE	N	904	863
FORMALDEHYDE EMISSION <small>(Tested under controlled laboratory conditions)</small>	mg/100g (ODB)	0.62	2.69
ADHESIVE STANDARD	-	Super E0 (≤2.7)	Super E0 (≤2.7)

ALUMINIUM HONEYCOMB

PRODUCT NAME	PAHS	PAHW	PAH
	Aluminium SPC Honeycomb Panel	Aluminium Woodcore Honeycomb Panel	Pure Aluminium Honeycomb Panel
MATERIAL COMPOSITION	<ul style="list-style-type: none"> A3 Honeycomb Core Top & Bottom Fire - Retardant Polymer Layers (SPC) Surface Coating Layer 	<ul style="list-style-type: none"> A2 Honeycomb Core Eucalyptus Wood Layers Top & Bottom Fire-Retardant Polymer Layers (SPC) Surface Coating Layer 	<ul style="list-style-type: none"> A3 Honeycomb Core Top & Bottom Adhesive Layers Aluminium Alloy Sheets Surface Coating Layer
SURFACE	Melanate Pro Surface		
SIZE	4x8 ft/4x9 ft		
FORMALDEHYDE EMISSION <small>(Tested under controlled laboratory conditions)</small>	0.006 mg/m ³ (Super E0)		
ADHESIVE	ENF		
THICKNESS	6, 10,15, 18 mm	18 mm	6, 9, 10, 15, 18 mm
DENSITY	A3	A2	A3
FIRE RATING	B1	B1	A2
KEY FEATURES	Lightweight with high strength	Solid structure, strong screw holding, easy installation, sound insulation	Lightweight with high structural strength