

# HeveaBoard Berhad

YOUR PARTNER FOR  
**QUALITY**  
MELAMINE FACED  
**PARTICLEBOARD**



CERTIFIED TO MS ISO 9001 : 2000  
REGISTRATION NO. AR2045

JAPANESE INDUSTRIAL STANDARD  
JIS S 5001



# HeveaBoard Berhad

**HeveaBoard Berhad** operates one of the most advanced particleboard mills in Malaysia. Set on the HeveaWood Industrial Park, the combined particleboard plants have a total annual particleboard production capacity of 525,000 m3 using modern equipment and technology from Europe.

**HeveaBoard** particleboard has been produced since 1994 from renewable wood resources and wood residues from plantation and sawmills. HeveaBoard particleboard - a cost effective, versatile and ecologically sustainable wood panel product, is ideal for a wide range of manufacturing and building applications.

## New Range Product

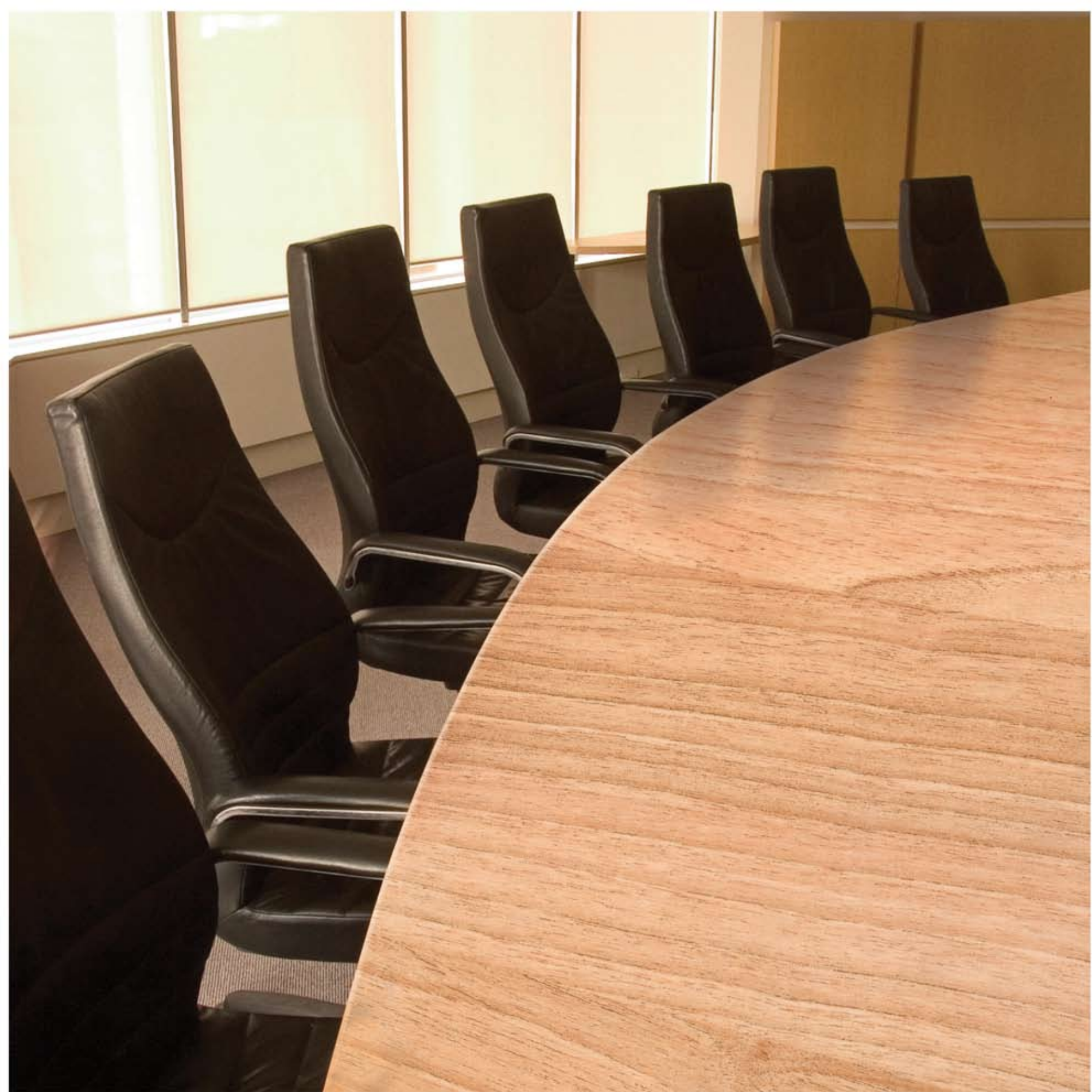
Aesthetic focus on what is essential without being minimalist: simple and discreet design, lighter colors - elegance that draws its attractiveness from clarity and conciseness. Light colored wood shows direction and structure. Light, single-colored surfaces in a warm, soft gray and gentle water hues underscore the pure look.

In our 2009/2010 collections, you will find a brand new finishing which gives definitive shades, tonal effects and textural approaches which will further create new ideas for modern furniture application.



116 Tiziano Walnut









## New Range



117 Legno Stripes



115 Teak Allover



113 Sensual Beech



118 Larnaca Cypress

# HeveaBoard Product

**HeveaBoard** Melamine Faced Chipboard, or HeveaMFC, uses quality HeveaBoard particleboard to laminate with decorative impregnated melamine paper. These laminated panels are used in wide range of applications in home and office furniture - from wardrobe, entertainment set, and kitchen cabinet, to raised flooring, office cabinet, and shelving.

HeveaMFC is available in over 100 colours and decors. Our strong business partnership with the renowned paper suppliers warrants us exclusivity to various colours.



525 Lyon Walnut







## Woodgrain



828 Mahogany



304 Mangfall Beech



309 Noce Narciso



712 Maple



205 Bavarian Beech



325 Murnau Maple







## Woodgrain



161 Beech



\* 454 Light Tiwood



818 Oak



450 Cherry



259 Light Walnut



314 Hastin Rosewood

\* Except UAE Region

\* Color and texture of the design may vary due to individual monitor setting.



## Woodgrain



\* 452 Saxon Oak



453 Trintex



700 Cherry



964 Anthrazit



\* 455 Dark Tiwood



451 Honey Oak

\* Except UAE Region

\* Color and texture of the design may vary due to individual monitor setting.





## Solid



225 Red



345 Cloud Grey



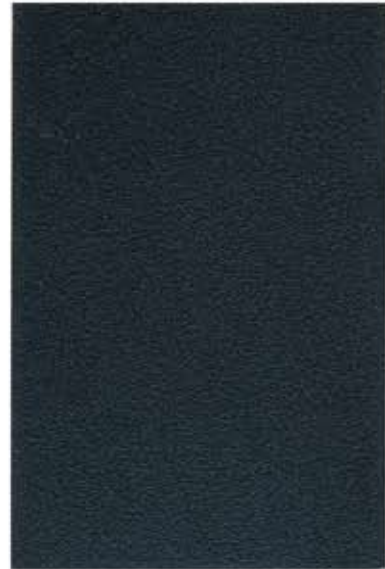
602 Yellow



215 Green



362 Blue



260 Black





## Solid



238 Grey



203 Light Grey



200 Graphite



630 White



995 Ivory



110 Cloud White



**NEW FINISHING**  
**Legno Fino**



\* Color and texture of the design may vary due to individual monitor setting.

## Finishing



Woodgrain



Matt



Texture



Stipple



# TECHNICAL SPECIFICATION

The standard particleboard panel sizes are 6' X 8' and 4' X 8' with common thicknesses of 9mm, 12mm, 15mm, 16mm, 18mm, and 25mm.

Our cutting-edge new particleboard production lines allow great flexibility in accommodating requests for other thicknesses. Enquiries on special requirements are welcome.

## SPECIFICATION FOR SUBSTRATES - FOR INTERIOR FITMENTS (INCLUDING FURNITURE) FOR USE IN DRY CONDITIONS (TYPE P2)

PROPERTIES	STANDARD BOARD (UF)				
Board Thickness (units)	9mm < X 13mm	13mm < X 20mm	20mm < X 25mm	25mm < X 32mm	32mm < X 40mm
Bending Strength (N/mm <sup>2</sup> )	13	13	11.50	10	8.50
Modulus of Elasticity (N/mm <sup>2</sup> )	1,800	1,600	1,500	1,350	1,200
Internal Bond (N/mm <sup>2</sup> )	0.40	0.35	0.30	0.25	0.20
Edges Screw Holding N	360	360	250	n.a	n.a
Thickness Swelling - 1 hour immersion (%)	max. 8%	max. 8%	max. 8%	max. 8%	max. 8%
<b>EN 312 : 2003 Table 1 - General Requirements</b>					
Formaldehyde Emmission E1 E2 CARB EMISSION PHASE 1	$X \leq 8\text{mg HCHO} / 100\text{g oven - dry board (EN120 : 1997 Standard)}$ $8 < X \leq 30\text{mg HCHO} / 100\text{g oven - dry board (EN120 : 1997 Standard)}$ 0.18ppm				
BOARD DIMENSIONS	1,830mm X 2,440mm (Tolerance +/- 5mm) 1,220mm X 2,440mm (Tolerance +/- 5mm)				
THICKNESSES	9mm, 12mm, 15mm, 16mm, 18mm, 25mm, 32mm & 36mm (Tolerance +/- 0.3mm) Optional thicknesses upon request				
GRADING ALLOWANCE	3% admissible				

## SPECIFICATION FOR SUBSTRATES - NON LOAD BEARING BOARDS FOR USE IN HUMID CONDITIONS (TYPE P3)

PROPERTIES	STANDARD BOARD (MUF)				
Board Thickness (units)	9mm < X 13mm	13mm < X 20mm	20mm < X 25mm	25mm < X 32mm	32mm < X 40mm
Bending Strength (N/mm <sup>2</sup> )	15	14	12	11	9
Modulus of Elasticity (N/mm <sup>2</sup> )	2,050	1,950	1,850	1,700	1,700
Internal Bond (N/mm <sup>2</sup> )	0.45	0.45	0.40	0.35	0.30
Tensile Strength after Cyclic Test (N/mm <sup>2</sup> )	0.15	0.13	0.12	0.10	0.09
Edges Screw Holding N	n.a	n.a	n.a	n.a	n.a
Thickness Swelling - 1 hour immersion (%)	max. 8%	max. 8%	max. 8%	max. 8%	max. 8%
- 24 hour immersion (%)	max. 14%	max. 14%	max. 13%	max. 13%	max. 12%
* after cyclic test (%)	max. 14%	max. 13%	max. 12%	max. 12%	max. 11%
* After wet cyclic test (V313)					
<b>EN 312 : 2003 Table 1 - General Requirements</b>					
Formaldehyde Emmission E1 E2	$X \leq 8\text{mg HCHO} / 100\text{g oven - dry board (EN120 : 1997 Standard)}$ $8 < X \leq 30\text{mg HCHO} / 100\text{g oven - dry board (EN120 : 1997 Standard)}$				
BOARD DIMENSIONS	1,830mm X 2,440mm (Tolerance +/- 5mm) 1,220mm X 2,440mm (Tolerance +/- 5mm)				
THICKNESSES (STANDARD)	16mm, 18mm, 25mm (Tolerance +/- 0.3mm) Optional thicknesses upon request				
GRADING ALLOWANCE	3% admissible				

\* **HeveaBoard** Average Property Value attained for density at 650-680 kg/m<sup>3</sup> (+/- 20kg/m<sup>3</sup>)



### SPECIFICATION FOR SUBSTRATES JIS A 5908 : 2003 - TYPE U

PROPERTIES	STANDARD BOARD F☆☆ AND F☆☆☆
Classification (units)	Type 13                      Type 18
Bending Strength (N/mm <sup>2</sup> )	13.0                              18.0
Modulus of Elasticity (N/mm <sup>2</sup> )	2,500
Internal Bond (N/mm <sup>2</sup> )	0.20
Face Screw Holding (N)	400 N
Moisture Content (%)	5-13%
Density (kg/m <sup>3</sup> )	400-900±20kg/m <sup>3</sup>
Formaldehyde Emmission F☆☆☆☆ F☆☆☆	Mean 0.3mg/L or under Max 0.4mg/L or under Mean 0.5mg/L or under Max 0.7mg/L or under
BOARD DIMENSIONS	1,830mm X 2,440mm (Tolerance +/- 3mm) 1,220mm X 2,440mm (Tolerance +/- 3mm)
THICKNESSES	9mm, 12mm, 15mm, 18mm, 25mm (Tolerance +/- 3mm) Optional thicknesses upon request
GRADING ALLOWANCE	3% admissible

\* JIS MARK CERTIFICATION ONLY APPLICABLE FOR F☆☆ / F☆☆☆☆ PARTICLEBOARDS

\* 1<sup>st</sup> JIS PARTICLEBOARDS MANUFACTURER IN MALAYSIA



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