

DECLARATION OF PERFORMANCE

Ref No: MVP-DoP-001

Manufacturer: Mentakab Veneer and Plywood Sdn. Bhd.
5th. Mile, Jalan Karak, 28400 Mentakab, Pahang, Malaysia

Contact Person: Low Eng Chin

PRODUCT TYPE	Phenol Formaldehyde bonded hardwood plywood
INTENDED USE	Structural Plywood in external condition (EN636-3 S), Structural Plywood in internal humid condition (EN636-2 S), Structural Plywood in internal dry condition (EN636-1 S), All with formaldehyde class E1

DECLARED PERFORMANCE

Characteristics	BS Standard	Performance (according to thickness)		
		3.6 mm	4.0 mm	5.5 mm
Bending Strength (MOR)	F _m 0	F40 - min 60 N/mm ²	F30 - min 45 N/mm ²	F20 - min 30 N/mm ²
	F _m 90	F20 - min 30 N/mm ²	F15 - min 23 N/mm ²	F15 - min 23 N/mm ²
Modulus of Elasticity (MOE)	E _m 0	E60 - min 6000 N/mm ²	E70 - min 7000 N/mm ²	E60 - min 6000 N/mm ²
	E _m 90	E10 - min 1000 N/mm ²	E15 - min 1500 N/mm ²	E15 - min 1500 N/mm ²
Bonding Quality	EN 314-1 EN 314-2	1.71 N/mm ²	1.52 N/mm ²	1.23 N/mm ²
Moisture Content	EN 322	8% - 12%		
Density	EN 323	min 400 kg/m ³		
Release of Formaldehyde	EN 13986 Annex B	Use phenolic glue, therefore conform to Class E1		
Reaction to Fire	EN 13986 Table 8	NPD		
Water Vapour Permeability	EN 13986 Table 9	Based on the density above, declared Vapour Resistance Factor: Wet Cup = 70 μ , Dry Cup = 200 μ		
Thermal Conductivity	EN 13986 Table 11	Based on the density above, declared Thermal Conductivity = 0.13 W/m K		

Characteristics		BS Standard	Performance (according to thickness)					
			9 mm	12 mm	15 mm	18 mm	22 mm	25 mm
Bending Strength (MOR)	F _m 0	EN 310	F20 - min 30 N/mm ²	F15 - min 23 N/mm ²	F15 - min 23 N/mm ²	F15 - min 23 N/mm ²	F10 - min 15 N/mm ²	F5 - min 8 N/mm ²
	F _m 90		F25 - min 38 N/mm ²	F20 - min 30 N/mm ²	F15 - min 23 N/mm ²	F25 - min 38 N/mm ²	F30 - min 45 N/mm ²	F20 - min 30 N/mm ²
Modulus of Elasticity (MOE)	E _m 0	EN 310	E30 - min 3000 N/mm ²	E30 - min 3000 N/mm ²	E30 - min 3000 N/mm ²	E40 - min 4000 N/mm ²	E25 - min 2500 N/mm ²	E10 - min 1000 N/mm ²
	E _m 90		E30 - min 3000 N/mm ²	E40 - min 4000 N/mm ²	E20 - min 2000 N/mm ²	E40 - min 4000 N/mm ²	E40 - min 4000 N/mm ²	E30 - min 3000 N/mm ²
Bonding Quality		EN 314-1 EN 314-2	1.90 N/mm ²	1.44 N/mm ²	2.06 N/mm ²	1.72 N/mm ²	1.55 N/mm ²	1.69 N/mm ²
Moisture Content		EN 322	8% - 12%					
Density		EN 323	min 400 kg/m ³					
Release of Formaldehyde		EN 13986 Annex B	Use phenolic glue, therefore conform to Class E1					
Reaction to Fire		EN 13986 Table 8	Based on the density above, declared as Class D-s2, d0					
Water Vapour Permeability		EN 13986 Table 9	Based on the density above, declared Vapour Resistance Factor: Wet Cup = 70 μ , Dry Cup = 200 μ					
Thermal Conductivity		EN 13986 Table 11	Based on the density above, declared Thermal Conductivity = 0.13 W/m K					

The performance of the product identified is in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

This document should be read in conjunction with the Certificate of Conformity of FPC No. 1224-CPD-0100

Manufacturer's Signatory and Stamp


Low Eng Chan