DECLARATION OF PERFORMANCE

Manufacturer: Mentakab Veneer and Plywood Sdn. Bhd.
5th. Mile, Jalan Karak, 28400 Mentakab, Pahang, Malaysia
Contact Person: Low Eng Chin

Ref No: MVP-DoP-011

PRODUCT TYPE	Phenol Formaldehyde Bonded Hardwood Plywood		
INTENDED USE	Structural Plywood in external condition (EN636-3S), internal humid condition (EN636-2S), internal dry condition (EN636-1S) All with formaldehyde class E1		
ASSESSMENT SYSTEM	CE2+		
NOTIFIED BODY	ELEMENT MATERIALS TECHNOLOGY ROTTERDAM B.V.	**NOTIFIED BODY NO**	2812
CERTIFICATE NO.	2812-CPR-0100		

DECLARED PERFORMANCE

Characteristics		**BS Standard**	**Performance (according to thickness)**			
			3.6 mm	**4.0 mm**	**5.5 mm**	**6.0 mm**
Bending Strength (MOR)	F_m 0	EN 310	F40 - min 60 N/mm^2	F30 - min 45 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	F20 - min 30 N/mm^2	F15 - min 23 N/mm^2
Modulus of Elasticity (MOE)	E_m 0	EN 310	E60 - min 6000 N/mm^2	E70 - min 7000 N/mm^2	E60 - min 6000 N/mm^2	E30 - min 3000 N/mm^2
	E_m 90		E10 - min 1000 N/mm^2	E15 - min 1500 N/mm^2	E25 - min 2500 N/mm^2	E15 - min 1500 N/mm^2
Bonding Quality		EN 314-1 EN 314-2 Class 3	1.71 N/mm^2	1.52 N/mm^2	1.23 N/mm^2	1.06 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 Class 3	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. 2812-CPR-0100

Manufacture's Signatory and Stamp

Mentakab Veneer & Plywood Sdn. Bhd.
(155685-P)

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Low Eng Chin
Authorised Signature

Date: