PLYWOOD TECHNICAL DATA SHEET
(PERFORMANCE CHARACTERISTIC)
MALAYSIAN TROPICAL MEDIUM LIGHT HARDWOOD
MARINE II PLYWOOD TO BS1088:2003

Thickness/mm (EN 324:1993)	Type	9mm / 5 plies			
	Min	8.33	Veneer Thickness (mm)	Face/ Back	0.75
	Max	9.47		Short Core	3.50
	Lay-up	| - | - | - | - |		Long Core	0.60

Dimensional Tolerance (EN 324: 1993)	
Length & Width	± 3.5mm
Squareness	± 1 mm/m
Straightness	± 1 mm/m

Bonding Quality/ durability	Bonding Class 3		
Bending Strength and Stiffness	F10/30 , E15/90	Result	F = 45.833/64.571
			E = 7089.417/10115.6
Type of Glue	Phenol Formaldehyde HL-4645		
Release of formaldehyde	Class E1 (EN 13986:2004 +A1:2015 Annex B for Phenol formaldehyde adhesives)		
Density	≥ 500kg/m^3	Result	510.063kg/m^3
Reaction to fire	D-s2, d0 (EN 13986:2004 +A1:2015 Tab. 8 for density ≥ 400kg/m^3 and thickness ≥ 9mm		
Water vapour permeability	Interpolated from EN13986:2004 +A1:2015 Tab. 9 for density 500kg/m^3		
	wet cup	70	dry cup 200
Airborne sound insulation	Calculated per EN 13986:2004 +A1:2015 section 5.10 using formula:		
	$R = 13 \times lg\ (m_A) + 14$		
Sound absorption coefficient	EN 13986:2004 +A1:2015 Tab. 10		
	250 - 500 Hz: 0.10	1000 - 2000 Hz: 0.30	
Thermal conductivity	Interpolated from EN13986:2004 +A1:2015 Tab. 11 for density 500kg/m^3		
	人 = 0.13 W / (m.K)		
Content of pentachlorophenol	EN 13986:2004 +A1:2015 section 5.18		