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

Thickness/mm (EN 324:1993)	Type	25mm / 13 plies			
	Min	23.85	Veneer Thickness (mm)	Face/ Back	0.75
	Max	25.95		Short Core	2.70/3.50
	Lay-up	| - | - | - | - | - | - | - | - | - | - | - | - |		Long Core	0.60/0.75

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	F35/25, E70/90	Result	F = 56.498 / 41.971	
			E = 6553.350 / 8775.633	
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	655.176 kg/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 x *lg* (m_A) + 14			
Sound absorption coefficient	EN 13986:2004 +A1:2015 Tab. 10			
	250 - 500 Hz: 0.1	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			