

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

<b>Thickness/mm (EN 324:1993)</b>	<b>Type</b>	18mm / 9 plies			
	<b>Min</b>	17.06	<b>Veneer Thickness (mm)</b>	<b>Face/ Back</b>	0.75
	<b>Max</b>	18.74		<b>Short Core</b>	3.50
	<b>Lay-up</b>	-   -   -   -   -   -   -		<b>Long Core</b>	0.75

<b>Dimensional Tolerance (EN 324: 1993)</b>				
<b>Length &amp; Width</b>	± 3.5mm			
<b>Squareness</b>	± 1 mm/m			
<b>Straightness</b>	± 1 mm/m			
<b>Bonding Quality/ durability</b>				
		Bonding Class 3		
<b>Bending Strength and Stiffness</b>	F20/F35, E60/100	<b>Result</b>	F = 42.797 / 68.093	
			E = 6052.650 / 10254.750	
<b>Type of Glue</b>	Phenol Formaldehyde HL-4645			
<b>Release of formaldehyde</b>	Class E1 (EN 13986:2004 +A1:2015 Annex B for Phenol formaldehyde adhesives)			
<b>Density</b>	≥ 500kg/m <sup>3</sup>	<b>Result</b>	679.214 kg/m <sup>3</sup>	
<b>Reaction to fire</b>	D-s2, d0 (EN 13986:2004 +A1:2015 Tab. 8 for density ≥ 400kg/m <sup>3</sup> and thickness ≥ 9mm)			
<b>Water vapour permeability</b>	Interpolated from EN13986:2004 +A1:2015 Tab. 9 for density 500kg/m <sup>3</sup>			
	wet cup	70	dry cup	200
<b>Airborne sound Insulation</b>	Calculated per EN 13986:2004 +A1:2015 section 5.10 using formula:			
	$R = 13 \times l_g (m_A) + 14$			
<b>Sound absorption coefficient</b>	EN 13986:2004 +A1:2015 Tab. 10			
	250 - 500 Hz: 0.10	1000 - 2000 Hz: 0.30		
<b>Thermal conductivity</b>	Interpolated from EN13986:2004 +A1:2015 Tab. 11 for density 500kg/m <sup>3</sup>			
	$\lambda = 0.13 \text{ W / (m.K)}$			
<b>Content of pentachlorophenol</b>	EN 13986:2004 +A1:2015 section 5.18			