



VC VENTURES RESOURCES SDN. BHD. (1075256-P)
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**PLYWOOD TECHNICAL DATA SHEET
 (PERFORMANCE CHARACTERISTIC)
 MALAYSIAN TROPICAL MEDIUM LIGHT HARDWOOD
 BBCC PLYWOOD TO BS13986:2004 +A1:2015**

Thickness/mm (EN 324:1993)	Type	3.6mm / 3 plies			
	Min	2.80	Veneer Thickness (mm)	Face/ Back	0.60/1.00
	Max	4.00		Short Core	2.00
	Lay-up	- -		Long Core	
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/F25, E140/E90	Result	F = 61.975 / 57.242		
			E = 18917.333/ 10396.650		
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	518.773 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:				
	$R = 13 \times \lg (m_A) + 14$				
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				
	$\lambda = 0.13 \text{ W / (m.K)}$				
Content of pentachlorophenol	EN 13986:2004 +A1:2015 section 5.18				