



Technical Data Sheet
(Performance Characteristic)
Malaysian Tropical Medium Light Hardwood

Plywood Type : WBP		9mm	12mm	15mm	18mm	25mm	
No of Plies		5	7	7	7	9	
Species		Medium Light Hardwood					
Panel Size		1220mm x 2440mm					
Bonding / Adhesive		Water Boil Proof (WBP) Phenol Formaldehyde					
Property	Test Method	Value of Test		Value of Test		Value of Test	
Moisture Content	EN 322	9.9 %	8.6 %	9.4 %	10.9 %	9.5 %	
Density	EN 323	800 kg/m ³	899 kg/m ³	650 kg/m ³	651 kg/m ³	691 kg/m ³	
Modulus of Rupture (MOR)	Parallel	30.60 N/mm ²	37.96 N/mm ²	31.50 N/mm ²	29.56 N/mm ²	41.95 N/mm ²	
	Perpendicular	28.58 N/mm ²	51.36 N/mm ²	47.26 N/mm ²	28.24 N/mm ²	40.12 N/mm ²	
Modulus of Elasticity (MOE)	Parallel	4133 N/mm ²	3895 N/mm ²	3723 N/mm ²	4184 N/mm ²	4707 N/mm ²	
	Perpendicular	3703 N/mm ²	7935 N/mm ²	7760 N/mm ²	4404 N/mm ²	5439 N/mm ²	
Class Grade		F20/15 E40/30	F25/30 E30/70	F20/30 E30/70	F15/15 E40/40	F25/25 E40/50	
Bonding Quality (Shear Strength)	EN314-1 EN314-2	100%	Requirement ≥ 90%	90%	Requirement ≥ 90%	90%	Requirement ≥ 90%
				90%	Requirement ≥ 90%	90%	Requirement ≥ 90%
						92%	Requirement ≥ 90%

This performance characteristic is according to the standard BS13986:2004 + A1:2015