



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

Plywood Type : BG MARINE		9mm		12mm		15mm		18mm		25mm		
No of Plies		5		7		7		9		11		
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		Value of Test		Value of Test		
Moisture Content	EN 322	9.4 %		9.1 %		9.8 %		9.1 %		10.3 %		
Density	EN 323	680 kg/m ³		687 kg/m ³		640 kg/m ³		743 kg/m ³		666 kg/m ³		
Modulus of Rupture (MOR)	Parallel	51.40 N/mm ²		38.33 N/mm ²		49.47 N/mm ²		46.84 N/mm ²		41.00 N/mm ²		
	Perpendicular	39.60 N/mm ²		42.45 N/mm ²		25.10 N/mm ²		61.75 N/mm ²		42.85 N/mm ²		
Modulus of Elasticity (MOE)	Parallel	6045 N/mm ²		5352 N/mm ²		6072 N/mm ²		6336 N/mm ²		5738 N/mm ²		
	Perpendicular	4514 N/mm ²		6290 N/mm ²		3164 N/mm ²		6969 N/mm ²		5537 N/mm ²		
Class Grade		F30/20 E60/40		F25/25 E50/60		F30/15 E60/30		F30/40 E60/60		F25/25 E50/50		
Bonding Quality (Shear Strength)		EN314-1 EN314-2	90%	Requirement ≥ 90%	90%	Requirement ≥ 90%	90%	Requirement ≥ 90%	92%	Requirement ≥ 90%	90	Requirement ≥ 90%

This performance characteristic is according to the standard BS1088:2018