



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

Plywood Type : Middle East(MDE)		9mm		12mm		15mm		18mm		25mm		
No of Plies		5		7		9		9		11		
Species		Medium Light Hardwood										
Panel Size		1220mm x 2440mm										
Bonding / Adhesive		Moisture Resistant (MR) Urea Formaldehyde										
Property	Test Method	Value of Test		Value of Test		Value of Test		Value of Test		Value of Test		
Moisture Content	EN 322	10.2 %		11.5 %		9.8 %		11.1 %		10.7 %		
Density	EN 323	656 kg/m ³		636 kg/m ³		654 kg/m ³		667 kg/m ³		623 kg/m ³		
Modulus of Rupture (MOR)	Parallel	27.32 N/mm ²		19.17 N/mm ²		36.89 N/mm ²		28.26 N/mm ²		25.10 N/mm ²		
	Perpendicular	40.32 N/mm ²		38.34 N/mm ²		19.10 N/mm ²		26.72 N/mm ²		10.36 N/mm ²		
Modulus of Elasticity (MOE)	Parallel	3553 N/mm ²		3002 N/mm ²		4854 N/mm ²		4845 N/mm ²		4006 N/mm ²		
	Perpendicular	4165 N/mm ²		4358 N/mm ²		3565 N/mm ²		5251 N/mm ²		2552 N/mm ²		
Class Grade		F15/25 E30/40		F10/25 E30/40		F20/10 E40/30		F15/15 E40/50		F15/5 E40/20		
Bonding Quality (Shear Strength)		EN314-1 EN314-2	90%	Requirement ≥ 90%	90%	Requirement ≥ 90%	90%	Requirement ≥ 90%	90%	Requirement ≥ 90%	100%	Requirement ≥ 90%

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