

DECLARATION OF PERFORMANCE (DOP)

Doc No.:	CE MARK/APC/SP/S	Revision:	00	Date:	01 August 2024
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1. Unique identification code of the product: *Structural plywood 2358-CPR-0394*
2. Type and batch number: *Malaysian Structural General Hardwood Plywood, exterior gluing quality (phenolic resin)*
3. Intended use: *internal dry, internal humid and external conditions as structural components, phenolic formaldehyde,emission class E1*
4. Manufacturer: *Asia Plywood Company Sdn Bhd*

Plot 35-38, Kawasan Perusahaan Bukit Selambau, 08010 Sungai Petani, Kedah, MALAYSIA.
5. System or system of assessment and verification of constancy of performance: *2+*
6. Name and identification number of the notified body: *BM Certification SIA*

Notified Factory Production Control Body 2358, performed initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control under system 2+ and issued the certificate of conformity of the factory production control: 2358-CPR-0394

7. Declared performance

Essential characteristics		Performance						Harmonised Technical Specification
		Thickness (mm)						
		9.0 5 ply	12.0 5 ply	15.0 7 ply	18.0 7 ply	22.0 9 ply	25.0 9 ply	
Mean of bending strength	Class (0°)	F20	F10	F15	F20	F20	F15	EN 310:1993
	Class (90°)	F20	F30	F25	F25	F25	F25	EN 636:2004+A1:2015
Mean of modulus of elasticity	Class (0°)	E30	E30	E30	E40	E30	E30	EN 310 : 1993
	Class (90°)	E40	E50	E50	E50	E50	E50	EN 636:2004+A1:2015
Mean of bonding quality (N/mm ²)		Class 3	Class 3	Class 3	Class 3	Class 3	Class 3	EN 314-1:2004 & EN 314-2:2004
Mean of moisture content (%)		10±2	10±2	10±2	10±2	10±2	10±2	EN 322:1993
Mean of density (kg/m ³)		> 500	> 500	> 500	> 500	> 500	> 500	EN 323:1993
Release of formaldehyde		E1	E1	E1	E1	E1	E1	EN 13986:2004+A1:2015 Annex B
Reaction of fire		D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	EN 13986:2004+A1:2015 Table 8
Water vapour permeability	Wet cup (μ)	70	70	70	70	70	70	EN 13986:2004+A1:2015 Table 9
	Dry cup (μ)	200	200	200	200	200	200	
Airbone sound insulation (R) (Frequency range 1kHz ~ 3kHz)		22.5 dB	24.1 dB	25.4 dB	26.4 dB	27.5 dB	28.3 dB	EN 13986:2004+A1:2015 Clause 5.10
Sound absorption	250-500 Hz	0.10	0.10	0.10	0.10	0.10	0.10	EN 13986:2004+A1:2015 Table 10
	1000-2000 Hz	0.30	0.30	0.30	0.30	0.30	0.30	
Thermal conductivity, λ (W/(m.k))		0.13	0.13	0.13	0.13	0.13	0.13	EN 13986:2004+A1:2015 Table 11
Mechanical durability	K _{mod}	0.55	0.55	0.55	0.55	0.55	0.55	EN 1995-1-1:2004 Table 3.1 & 3.2
	K _{def}	2.50	2.50	2.50	2.50	2.50	2.50	
Boilological durability		UC 2	UC 2	UC 2	UC 2	UC 2	UC 2	EN 335:2013
Content of pentachlorophenol		≤ 5 ppm	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm	EN 13986:2004+A1:2015 Clause 5.18

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

01 August 2024, Sungai Petani, Kedah Malaysia.

Acknowledged by,	Reported by,
	
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