

# 亞洲夾板有限公司 ASIA PLYWOOD COMPANY SDN. BHD.

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HOUSE BRAND  
CHAP RUMAH

PLYWOOD & VENEERS Hunting Lines Tel : Nos. 604-4197111 Fax : 604-4197001/092

DECLARATION OF PERFORMANCE (DOP)				Document Number: 18.0mm-DOP-UKCA-B/C	
Revision: 8		Revision date: 2023-Dec-10		Active Date: 2018-Dec-01	
Product Type	Intended of use	Glue Type	AVCP*	Bonding Quality	Scheme: Approved Body
General Plywood 18.0mm 4' X 8' BB/CC CE Mark and UKCA Mark on packaging (dwi mark)	Structural component in exterior conditions. EN 636-1, EN 636-2, EN 636-3.	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	UKCA Mark: UK 0836
* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, as it has effect in the United Kingdom in respect of Great Britain, under the sole responsibility of the manufacturer identified above.					

### Declared Performance

No.	Essential characteristics		Performance	Designated Technical Specification
1)	Bending strength	$F_{m,0}$ $F_{m,90}$	Class F20 Class F25	EN 310:1993
2)	Bending stiffness (Modulus of Elasticity)	$E_{m,0}$ $E_{m,90}$	Class E40 Class E50	
3)	Bonding Quality	i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.566 N/mm <sup>2</sup> Average = 1.134 N/mm <sup>2</sup>	EN 314-1:2004 EN 314-2:1993
4)	Internal bond (Tensile strength)		NPD (Not available for plywood)	EN 319:1993
5)	Durability (Swelling in thickness)		NPD (Not available for plywood)	EN 317:1993
6)	Durability (Moisture resistance)		Exterior Conditions	EN 314-2:1993
7)	Release of formaldehyde		E1	EN 13986 - Annex B
8)	Reaction to fire		D-s2, d0	EN 13986 - Table 8
9)	Water vapour permeability $\mu$		Wet cup = 70 ; Dry cup = 200	EN 13986 - Table 9
10)	Airbone sound insulation (R) (Frequency range of 1kHz ~ 3kHz)		26.41 dB	EN 13986 - clause 5.10
11)	Sound absorption	Frequency range 250 Hz to 500 Hz	0.10	EN 13986 - clause 5.11 - Table 10
		Frequency range 1000 Hz to 2000 Hz	0.30	
12)	Thermal conductivity $\lambda$		0.13 W/m.K	EN 13986 - clause 5.12 - Table 11
13)	Strength and stiffness for structure use		* Same as (1) Bending strength	EN 636:2012+A1:2015
14)	Mechanical durability		$K_{mod}$ 0.55 , $K_{def}$ 2.50	EN 1995-1-1 - Table 3.1 & 3.2
15)	Biological durability		Use Class 3 (UC 3)	EN 335:2013
16)	Content of pentachlorophenol		≤ 5 ppm	EN 13986 - Clause 5.18
17)	Racking resistance		NPD	EN 594:1996
18)	Embedment strength		NPD	EN 383:1993

Item (8) and (9) - Value declared based on density results.

The performance of the product identified is in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacturer.

Sign for and on behalf of the manufacturer by:

SIGNATURE:

NAME:

TITLE:

MIKE CHONG LEE CHUI  
QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

10 December 2023