

亞洲夾板有限公司

ASIA PLYWOOD COMPANY SDN. BHD.

Company No : 196401000353 (5653-H)
Plot 35-38 , Kawasan Perusahaan Bukit Selambau,
P. O. Box 42, 08010 Sungai Petani, Kedah, Malaysia.



HOUSE BRAND
CHAP RUMAH

PLYWOOD & VENEERS Hunting Lines Tel : Nos. 604-4197111 Fax : 604-4197001/002

DECLARATION OF PERFORMANCE (DOP)				Document Number: 4.0mm-DOP-CE-MRN	
Revision: 7		Revision date: 2023-Oct-05		Active Date: 2019-Sep-22	
Product Type	Intended use	Glue Type	AVCP*	Bonding Quality	Scheme:
Standard Marine Plywood Thickness = 4.0mm CE Mark, UKCA Mark and BS 1088 on packaging Third Party Verified	Marine applications as non structural component in humid conditions	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	Notified Body
				CE Mark:	1034
				Marine Plywood BS 1088 : 2018 3 rd Party Verifier	HFB Engineering GmbH

* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Declared Performance

No.	Essential characteristics	Performance	Harmonised technical specification
1)	Bending strength $F_{m,0}$ $F_{m,90}$	Class F25 Class F20	EN310:1993
2)	Bending stiffness (Modulus of Elasticity) $E_{m,0}$ $E_{m,90}$	Class E50 Class E25	
3)	Bonding Strength i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.453 N/mm ² Average = 1.164 N/mm ²	EN314-1:2004 EN314-2:1993
4)	Bonding Quality	Bonding Class 3	EN 13986:2004+A1:2015 - Clause 5.3
5)	Durability (Swelling in thickness)	NPD (Not available for plywood)	EN323:1993
6)	Durability (Moisture resistance)	NPD (Not available for plywood)	EN323:1993
7)	Release of formaldehyde	E1	EN 13986:2004+A1:2015 - Annex B
8)	Reaction to fire	NPD	EN 13986:2004+A1:2015 - Table 8
9)	Water vapour permeability μ	Wet cup = 70 ; Dry cup = 200	EN 13986:2004+A1:2015 - Table 9
10)	Airborne sound insulation (R) (Frequency range of 1kHz ~ 3kHz)	NPD	EN 13986:2004+A1:2015 - clause 5.10
11)	Thermal conductivity λ	0.13 W/m.K	EN 13986:2004+A1:2015 - Table 11
12)	Strength and stiffness for structure use	NPD	EN789:2004
13)	Mechanical durability	K_{mod} 0.55 , K_{def} 2.50	EN 1995-1-1:2004+A2:2014 - Table 3.1 & 3.2
14)	Biological durability	Class 1 to 3	EN 350:2016
15)	Content of pentachlorophenol	≤ 5 ppm	EN 13986:2004+A1:2015 - Clause 5.18
16)	Air permeability	NPD	EN 12114:2000
17)	Racking resistance	NPD	EN 1995-1-1:2004+A2:2014
18)	Embedment strength	NPD	EN 383:2007

Item (7), (8) and (10) - Value declared based on density.

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: MIKE CHONG LEE CHUAN

TITLE: QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

05 October 2023

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

Company No : 196401000353 (5653-H)
Plot 35-38 , Kawasan Perusahaan Bukit Selambau,
P. O. Box 42, 08010 Sungai Petani, Kedah, Malaysia.



HOUSE BRAND
CHAP RUMAH

PLYWOOD & VENEERS Hunting Lines Tel : Nos. 604-4197111 Fax : 604-4197001/002

DECLARATION OF PERFORMANCE (DOP)				Document Number: 6.0mm-DOP-CE-MRN		
Revision: 7	Revision date: 2023-Oct-05			Active Date:	2019-Sep-22	
Product Type	Intended use	Glue Type	AVCP*	Bonding Quality	Scheme:	Notified Body
Standard Marine Plywood Thickness = 6.0mm CE Mark, UKCA Mark and BS 1088 on packaging Third Party Verified	Marine applications as non structural component in humid conditions	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	CE Mark:	1034
					Marine Plywood BS 1088 : 2018	HFB Engineering
					3 rd Party Verifier	GmbH
* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.						

Declared Performance

No.	Essential characteristics		Performance	Harmonised technical specification
1)	Bending strength	F _{m,0} F _{m,90}	Class F20 Class F10	EN310:1993
2)	Bending stiffness (Modulus of Elasticity)	Em,0 Em,90	Class E30 Class E10	
3)	Bonding Strength	i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.356 N/mm ² Average = 1.134 N/mm ²	EN314-1:2004 EN314-2:1993
4)	Bonding Quality		Bonding Class 3	EN 13986:2004+A1:2015 - Clause 5.3
5)	Durability (Swelling in thickness)		NPD (Not available for plywood)	EN323:1993
6)	Durability (Moisture resistance)		NPD (Not available for plywood)	EN323:1993
7)	Release of formaldehyde		E1	EN 13986:2004+A1:2015 - Annex B
8)	Reaction to fire		NPD	EN 13986:2004+A1:2015 - Table 8
9)	Water vapour permeability μ		Wet cup = 70 ; Dry cup = 200	EN 13986:2004+A1:2015 - Table 9
10)	Airborne sound insulation (R) (Frequency range of 1kHz ~ 3kHz)		NPD	EN 13986:2004+A1:2015 - clause 5.10
11)	Thermal conductivity λ		0.13 W/m.K	EN 13986:2004+A1:2015 - Table 11
12)	Strength and stiffness for structure use		NPD	EN789:2004
13)	Mechanical durability		K _{mod} 0.55 , K _{def} 2.50	EN 1995-1-1:2004+A2:2014 - Table 3.1 & 3.2
14)	Biological durability		Class 1 to 3	EN 350:2016
15)	Content of pentachlorophenol		≤ 5 ppm	EN 13986:2004+A1:2015 - Clause 5.18
16)	Air permeability		NPD	EN 12114:2000
17)	Racking resistance		NPD	EN 1995-1-1:2004+A2:2014
18)	Embedment strength		NPD	EN 383:2007

Item (7), (8) and (10) - Value declared based on density.

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:

MIKE CHONG LEE CHIN 5653-H

TITLE:

QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

05 October 2023

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 : 604-4197001/002

DECLARATION OF PERFORMANCE (DOP)				Document Number: 9.0mm-DOP-CE-MRN	
Revision: 7		Revision date: 2023-Oct-05		Active Date: 2019-Sep-22	
Product Type	Intended use	Glue Type	AVCP*	Bonding Quality	Scheme:
Standard Marine Plywood Thickness = 9.0mm CE Mark, UKCA Mark and BS 1088 on packaging Third Party Verified	Marine applications as structural and non structural component in humid conditions	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	CE Mark: 1034
					Marine Plywood BS 1088 : 2018 3 rd Party Verifier
					HFB Engineering GmbH
* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.					

Declared Performance

No.	Essential characteristics	Performance	Harmonised technical specification
1)	Bending strength	F _{m,0} F _{m,90}	Class F15 Class F15
2)	Bending stiffness (Modulus of Elasticity)	E _{m,0} E _{m,90}	Class E25 Class E30
3)	Bonding Quality i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.555 N/mm ² Average = 1.217 N/mm ²	EN310:1993 EN314-1:2004 EN314-2:1993
4)	Bonding Quality	Bonding Class 3	EN 13986:2004+A1:2015 - Clause 5.3
5)	Durability (Swelling in thickness)	NPD (Not available for plywood)	EN323:1993
6)	Durability (Moisture resistance)	NPD (Not available for plywood)	EN323:1993
7)	Release of formaldehyde	E1	EN 13986:2004+A1:2015 - Annex B
8)	Reaction to fire	D-s2, d0	EN 13986:2004+A1:2015 - Table 8
9)	Water vapour permeability μ	Wet cup = 70 ; Dry cup = 200	EN 13986:2004+A1:2015 - Table 9
10)	Airborne sound insulation (R) (Frequency range of 1kHz ~ 3kHz)	22.5 dB	EN 13986:2004+A1:2015 - clause 5.10
11)	Thermal conductivity λ	0.13 W/m.K	EN 13986:2004+A1:2015 - Table 11
12)	Strength and stiffness for structure use	NPD	EN789:2004
13)	Mechanical durability	K _{mod} 0.55 , K _{def} 2.50	EN 1995-1-1:2004+A2:2014 - Table 3.1 & 3.2
14)	Biological durability	Class 1 to 3	EN 350:2016
15)	Content of pentachlorophenol	≤ 5 ppm	EN 13986:2004+A1:2015 - Clause 5.18
16)	Air permeability	NPD	EN 12114:2000
17)	Racking resistance	NPD	EN 1995-1-1:2004+A2:2014
18)	Embedment strength	NPD	EN 383:2007

Item (7), (8) and (10) - Value declared based on density.

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

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Sign for and on behalf of the manufacturer by:

SIGNATURE:

NAME:

MIKE CHONG LEE CHUIN

TITLE:

QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

05 October 2023

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 : 604-4197001/002

DECLARATION OF PERFORMANCE (DOP)				Document Number: 12.0mm-DOP-CE-MRN		
Revision: 7	Revision date: 2023-Oct-05			Active Date:	2019-Sep-22	
Product Type	Intended use	Glue Type	AVCP*	Bonding Quality	Scheme:	Notified Body
Standard Marine Plywood Thickness = 12.0mm CE Mark, UKCA Mark and BS 1088 on packaging Third Party Verified	Marine applications as structural and non structural compnent in humid conditions	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	CE Mark:	1034
					Marine Plywood BS 1088 : 2018	HFB Engineering
					3 rd Party Verifier	GmbH
* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.						

Declared Performance

No.	Essential characteristics		Performance	Harmonised technical specification
1)	Bending strength	$F_{m,0}$ $F_{m,90}$	Class F20 Class F25	EN310:1993
2)	Bending stiffness (Modulus of Elasticity)	$E_{m,0}$ $E_{m,90}$	Class E50 Class E60	
3)	Bonding Quality	i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.159 N/mm ² Average = 0.982 N/mm ²	EN314-1:2004 EN314-2:1993
4)	Bonding Quality		Bonding Class 3	EN 13986:2004+A1:2015 - Clause 5.3
5)	Durability (Swelling in thickness)		NPD (Not available for plywood)	EN323:1993
6)	Durability (Moisture resistance)		NPD (Not available for plywood)	EN323:1993
7)	Release of formaldehyde		E1	EN 13986:2004+A1:2015 - Annex B
8)	Reaction to fire		D-s2, d0	EN 13986:2004+A1:2015 - Table 8
9)	Water vapour permeability μ		Wet cup = 70 ; Dry cup = 200	EN 13986:2004+A1:2015 - Table 9
10)	Airbone sound insulation (R) (Frequency range of 1kHz ~ 3kHz)		24.12 dB	EN 13986:2004+A1:2015 - clause 5.10
11)	Thermal conductivity λ		0.13 W/m.K	EN 13986:2004+A1:2015 - Table 11
12)	Strength and stiffness for structure use		NPD	EN789:2004
13)	Mechanical durability		K_{mod} 0.55 , K_{def} 2.50	EN 1995-1-1:2004+A2:2014 - Table 3.1 & 3.2
14)	Biological durability		Class 1 to 3	EN 350:2016
15)	Content of pentachlorophenol		≤ 5 ppm	EN 13986:2004+A1:2015 - Clause 5.18
16)	Air permeability		NPD	EN 12114:2000
17)	Racking resistance		NPD	EN 1995-1-1:2004+A2:2014
18)	Embedment strength		NPD	EN 383:2007

Item (7), (8) and (10) - Value declared based on density.

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

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Sign for and on behalf of the manufacturer by:

SIGNATURE:

NAME: MIKE CHONG LEE CHUIN

TITLE: QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

05 October 2023

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 : 604-4197001/002

DECLARATION OF PERFORMANCE (DOP)				Document Number: 15.0mm-DOP-CE-MRN	
Revision: 7		Revision date: 2023-Oct-05		Active Date: 2019-Sep-22	
Product Type	Intended use	Glue Type	AVCP*	Bonding Quality	Scheme:
Standard Marine Plywood Thickness = 15.0mm CE Mark, UKCA Mark and BS 1088 on packaging Third Party Verified	Marine applications as structural and non structural component in humid conditions	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	Notified Body
				CE Mark:	1034
				Marine Plywood BS 1088 : 2018 3 rd Party Verifier	HFB Engineering GmbH

* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Declared Performance

No.	Essential characteristics	Performance	Harmonised technical specification
1)	Bending strength	$F_{m,0}$ $F_{m,90}$	Class F10 Class F15
2)	Bending stiffness (Modulus of Elasticity)	$E_{m,0}$ $E_{m,90}$	Class E25 Class E30
3)	Bonding Strength i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.565 N/mm ² Average = 1.305 N/mm ²	EN310:1993 EN314-1:2004 EN314-2:1993
4)	Bonding Quality	Bonding Class 3	EN 13986:2004+A1:2015 - Clause 5.3
5)	Durability (Swelling in thickness)	NPD (Not available for plywood)	EN323:1993
6)	Durability (Moisture resistance)	NPD (Not available for plywood)	EN323:1993
7)	Release of formaldehyde	E1	EN 13986:2004+A1:2015 - Annex B
8)	Reaction to fire	D-s2, d0	EN 13986:2004+A1:2015 - Table 8
9)	Water vapour permeability μ	Wet cup = 70 ; Dry cup = 200	EN 13986:2004+A1:2015 - Table 9
10)	Airbone sound insulation (R) (Frequency range of 1kHz ~ 3kHz)	25.38 dB	EN 13986:2004+A1:2015 - clause 5.10
11)	Thermal conductivity λ	0.13 W/m.K	EN 13986:2004+A1:2015 - Table 11
12)	Strength and stiffness for structure use	NPD	EN789:2004
13)	Mechanical durability	K_{mod} 0.55 , K_{def} 2.50	EN 1995-1-1:2004+A2:2014 - Table 3.1 & 3.2
14)	Biological durability	Class 1 to 3	EN 350:2016
15)	Content of pentachlorophenol	≤ 5 ppm	EN 13986:2004+A1:2015 - Clause 5.18
16)	Air permeability	NPD	EN 12114:2000
17)	Racking resistance	NPD	EN 1995-1-1:2004+A2:2014
18)	Embedment strength	NPD	EN 383:2007

Item (7), (8) and (10) - Value declared based on density.

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: MIKE CHONG LEE CHUN

TITLE: QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

05 October 2023

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

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P. O. Box 42, 08010 Sungai Petani, Kedah, Malaysia.



HOUSE BRAND
CHAP RUMAH

PLYWOOD & VENEERS Hunting Lines Tel : Nos. 604-4197111 Fax : 604-4197001/002

DECLARATION OF PERFORMANCE (DOP)				Document Number: 18.0mm-DOP-CE-MRN	
Revision: 7		Revision date: 2023-Oct-05		Active Date: 2019-Sep-22	
Product Type	Intended use	Glue Type	AVCP*	Bonding Quality	Scheme:
Standard Marine Plywood Thickness = 18.0mm CE Mark, UKCA Mark and BS 1088 on packaging Third Party Verified	Marine applications as structural and non structural component in humid conditions	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	Notified Body
				CE Mark:	1034
				Marine Plywood BS 1088 : 2018 3 rd Party Verifier	HFB Engineering GmbH

* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Declared Performance

No.	Essential characteristics	Performance	Harmonised technical specification
1)	Bending strength	$F_{m,0}$ $F_{m,90}$	Class F25 Class F25
2)	Bending stiffness (Modulus of Elasticity)	$E_{m,0}$ $E_{m,90}$	Class E60 Class E50
3)	Bonding Quality i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.515 N/mm ² Average = 1.359 N/mm ²	EN310:1993 EN314-1:2004 EN314-2:1993
4)	Bonding Quality	Bonding Class 3	EN 13986:2004+A1:2015 - Clause 5.3
5)	Durability (Swelling in thickness)	NPD (Not available for plywood)	EN323:1993
6)	Durability (Moisture resistance)	NPD (Not available for plywood)	EN323:1993
7)	Release of formaldehyde	E1	EN 13986:2004+A1:2015 - Annex B
8)	Reaction to fire	D-s2, d0	EN 13986:2004+A1:2015 - Table 8
9)	Water vapour permeability μ	Wet cup = 70 ; Dry cup = 200	EN 13986:2004+A1:2015 - Table 9
10)	Airbone sound insulation (R) (Frequency range of 1kHz ~ 3kHz)	26.41 dB	EN 13986:2004+A1:2015 - clause 5.10
11)	Thermal conductivity λ	0.13 W/m.K	EN 13986:2004+A1:2015 - Table 11
12)	Strength and stiffness for structure use	NPD	EN789:2004
13)	Mechanical durability	K_{mod} 0.55 , K_{def} 2.50	EN 1995-1-1:2004+A2:2014 - Table 3.1 & 3.2
14)	Biological durability	Class 1 to 3	EN 350:2016
15)	Content of pentachlorophenol	$\leq$ 5 ppm	EN 13986:2004+A1:2015 - Clause 5.18
16)	Air permeability	NPD	EN 12114:2000
17)	Racking resistance	NPD	EN 1995-1-1:2004+A2:2014
18)	Embedment strength	NPD	EN 383:2007

Item (7), (8) and (10) - Value declared based on density.

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

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Sign for and on behalf of the manufacturer by:

SIGNATURE:

NAME:

MIKE CHONG LEE CHUN

TITLE:

QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

05 October 2023

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

Company No : 196401000353 (5653-H)
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P. O. Box 42, 08010 Sungai Petani, Kedah, Malaysia.



HOUSE BRAND
CHAP RUMAH

PLYWOOD & VENEERS Hunting Lines Tel : Nos. 604-4197111 Fax : 604-4197001/002

DECLARATION OF PERFORMANCE (DOP)				Document Number: 22.0mm-DOP-CE-MRN	
Revision: 7		Revision date: 2023-Oct-05		Active Date: 2019-Sep-22	
Product Type	Intended use	Glue Type	AVCP*	Bonding Quality	Scheme: Notified Body
Standard Marine Plywood Thickness = 22.0mm CE Mark, UKCA Mark and BS 1088 on packaging Third Party Verified	Marine applications as structural and non structural component in humid conditions	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	CE Mark: 1034 Marine Plywood BS 1088 : 2018 3 rd Party Verifier HFB Engineering GmbH
* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.					

Declared Performance

No.	Essential characteristics	Performance	Harmonised technical specification
1)	Bending strength $F_{m,0}$ $F_{m,90}$	Class F10 Class F15	EN310:1993
2)	Bending stiffness (Modulus of Elasticity) $E_{m,0}$ $E_{m,90}$	Class E25 Class E30	
3)	Bonding Strength i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.753 N/mm ² Average = 1.306 N/mm ²	EN314-1:2004 EN314-2:1993
4)	Bonding Quality	Bonding Class 3	EN 13986:2004+A1:2015 - Clause 5.3
5)	Durability (Swelling in thickness)	NPD (Not available for plywood)	EN323:1993
6)	Durability (Moisture resistance)	NPD (Not available for plywood)	EN323:1993
7)	Release of formaldehyde	E1	EN 13986:2004+A1:2015 - Annex B
8)	Reaction to fire	D-s2, d0	EN 13986:2004+A1:2015 - Table 8
9)	Water vapour permeability μ	Wet cup = 70 ; Dry cup = 200	EN 13986:2004+A1:2015 - Table 9
10)	Airborne sound insulation (R) (Frequency range of 1kHz ~ 3kHz)	27.54 dB	EN 13986:2004+A1:2015 - clause 5.10
11)	Thermal conductivity λ	0.13 W/m.K	EN 13986:2004+A1:2015 - Table 11
12)	Strength and stiffness for structure use	NPD	EN789:2004
13)	Mechanical durability	K_{mod} 0.55 , K_{def} 2.50	EN 1995-1-1:2004+A2:2014 - Table 3.1 & 3.2
14)	Biological durability	Class 1 to 3	EN 350:2016
15)	Content of pentachlorophenol	≤ 5 ppm	EN 13986:2004+A1:2015 - Clause 5.18
16)	Air permeability	NPD	EN 12114:2000
17)	Racking resistance	NPD	EN 1995-1-1:2004+A2:2014
18)	Embedment strength	NPD	EN 383:2007

Item (7), (8) and (10) - Value declared based on density.

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

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Sign for and on behalf of the manufacturer by:

SIGNATURE:

NAME:

MIKE CHONG LEE CHUAN

TITLE:

QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

05 October 2023

亞 洲 夾 板 有 限 公 司

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PLYWOOD & VENEERS Hunting Lines Tel : Nos. 604-4197111 Fax : 604-4197001/002

DECLARATION OF PERFORMANCE (DOP)				Document Number: 25.0mm-DOP-CE-MRN	
Revision: 7		Revision date: 2023-Oct-05		Active Date: 2019-Sep-22	
Product Type	Intended use	Glue Type	AVCP*	Bonding Quality	Scheme: Notified Body
Standard Marine Plywood Thickness = 25.0mm CE Mark, UKCA Mark and BS 1088 on packaging Third Party Verified	Marine applications as structural and non structural component in humid conditions	WBP (Phenol Formaldehyde)	AVCP 2+	EN 314-2 Class 3	CE Mark: 1034 Marine Plywood BS 1088 : 2018 3 rd Party Verifier HFB Engineering GmbH
* This declaration of performance is issued, in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.					

Declared Performance

No.	Essential characteristics	Performance	Harmonised technical specification
1)	Bending strength $F_{m,0}$ $F_{m,90}$	Class F10 Class F20	EN310:1993
2)	Bending stiffness (Modulus of Elasticity) $E_{m,0}$ $E_{m,90}$	Class E30 Class E40	
3)	Bonding Quality i) Pretreatment 5.1.1 ii) Pretreatment 5.1.4	Average = 1.376 N/mm ² Average = 1.016 N/mm ²	EN314-1:2004 EN314-2:1993
4)	Bonding Quality	Bonding Class 3	EN 13986:2004+A1:2015 - Clause 5.3
5)	Durability (Swelling in thickness)	NPD (Not available for plywood)	EN323:1993
6)	Durability (Moisture resistance)	NPD (Not available for plywood)	EN323:1993
7)	Release of formaldehyde	E1	EN 13986:2004+A1:2015 - Annex B
8)	Reaction to fire	D-s2, d0	EN 13986:2004+A1:2015 - Table 8
9)	Water vapour permeability μ	Wet cup = 70 ; Dry cup = 200	EN 13986:2004+A1:2015 - Table 9
10)	Airborne sound insulation (R) (Frequency range of 1kHz ~ 3kHz)	28.25 dB	EN 13986:2004+A1:2015 - clause 5.10
11)	Thermal conductivity λ	0.13 W/m.K	EN 13986:2004+A1:2015 - Table 11
12)	Strength and stiffness for structure use	NPD	EN789:2004
13)	Mechanical durability	K_{mod} 0.55 , K_{def} 2.50	EN 1995-1-1:2004+A2:2014 - Table 3.1 & 3.2
14)	Biological durability	Class 1 to 3	EN 350:2016
15)	Content of pentachlorophenol	$\leq$ 5 ppm	EN 13986:2004+A1:2015 - Clause 5.18
16)	Air permeability	NPD	EN 12114:2000
17)	Racking resistance	NPD	EN 1995-1-1:2004+A2:2014
18)	Embedment strength	NPD	EN 383:2007

Item (7), (8) and (10) - Value declared based on density.

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:

MIKE CHONG LEE CHUAN

TITLE:

QA / QMR OFFICER



PLACE AND DATE OF ISSUE:

SUNGAI PETANI, KEDAH DARUL AMAN, MALAYSIA

05 October 2023