



ALLIN PLEX COMBI (Exterior)



ALLIN
La Motte Michel, 79270 Le Vanneau
Tel.: +33 (0)5 49 35 15 82 / Fax: +33 (0)5 49 35 02 64
contact.allin@groupe-arbor.com / www.allin.fr

p.1/3 - General



Peeled Okoume Veneers 10/10^{ths}
2 sides joined on 3100 x 1830 mm size
Veneer Quality: III/III
Alternate Okoume and Poplar Ply Interior

Glue: Class 3 - NF Exterior CTB-X N°21
Glue standard: Standard EN 314
Dimensional Tolerance: Standard EN 315
Density: 480 kg/m³ +/- 10%. Standard EN 323

General purpose plywood panel designed for exterior or damp environment use.

Applications: Building or layout panel for non-decorative purposes.

THICKNESS	PLIES	2500 x 1220 mm	3100 x 1530 mm	3100 x 1830 mm
		Pack size	Pack size	Pack size
3 mm (all Ok.)	3	-	-	-
4 mm	3	100 pcs	100 pcs	100 pcs
5 mm	3	80 pcs	80 pcs	80 pcs
6 mm (all Ok.)	3	80 pcs	80 pcs	-
8 mm	5	50 pcs	50 pcs	50 pcs
10 mm	5	50 pcs	50 pcs	50 pcs
12 mm	7	40 pcs	40 pcs	40 pcs
15 mm	7	30 pcs	30 pcs	30 pcs
18 mm	9	25 pcs	25 pcs	25 pcs
19 mm	9	25 pcs	25 pcs	25 pcs
22 mm	9	22 pcs	22 pcs	22 pcs
25 mm	11	20 pcs	20 pcs	20 pcs
30 mm	13	25 pcs	25 pcs	25 pcs

Average weight per pack: 2500 x 1220 = 0,700 ton / 3100 x 1530 = 1,1 tons
Delivery quantity tolerance +/- 10%

ADVANTAGES

- High mechanical resistance
- Lightweight
- Moisture resistant

ON

REQUEST

- + Calibration Value
- - Veneer Quality Value III
- + Veneer Quality Value I
- + Veneer Value 13/10^{ths}
- Product certified PEFC™



E1

CE₂₊



DATA SHEET



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p.2/3 - DOP

DECLARATION OF PERFORMANCE (DOP)

N° DOP :	DDP GC-22	Version 21 of 01/02/2021
Identification code :	EN 636-3	
Type number :	ALLIN PLEX COMBI	
Intended use :	Use in damp environment	
Manufacturer :	SAS ALLIN - Route de la Couarde - 79270 LE VANNEAU contact.allin@groupe-arbor.com - www.allin.fr	
Evaluation and verification of system performance :	CE 2+	
The notified organism :	FCBA 0380	
performed :	initial inspection of the manufacturing facility and control of factory production and monitoring, evaluation and continuous assessment of control of factory production	
delivered :	the factory production control certificate : 0380 – CPR – N°213	

DECLARED PERFORMANCES :

Essential characteristics	Performances														Harmonized technical specification			
			5			8		10	12	15	18		22	25		30		
Thickness in mm																		EN 13986 : 2004 + A1 : 2015
Bonding quality	3																	
Density : Kg/m ³	480																	
Reaction to fire	E							D-s2,d0										
Release of formaldehyde	E1																	
STRENGTH : N/mm²																		
Bending // to faces			52,0			39,1		33,9	32,7	29,8	27,2		25,8	27,1	26,5		EN 13986 : 2004 + A1 : 2015	
Bending ⊥ to faces			5,3			15,2		19,2	20,1	22,3	24,2		25,3	24,3	24,8			
Tension // to faces			12,0			9,8		10,3	9,6	10,1	8,7		9,1	9,9	9,9			
Tension ⊥ to faces			14,7			17,4		16,8	17,7	17,1	18,8		18,3	17,3	17,4			
Compression // to faces			19,6			16,1		16,9	15,8	16,6	14,3		15,0	16,3	16,2			
Compression ⊥ to faces			14,7			17,4		16,8	17,7	17,1	18,8		18,3	17,3	17,4			
Planar shear // to faces			1,1			1,1		1,1	1,1	1,1	1,1		1,1	1,1	1,1			
Planar shear ⊥ to faces			1,4			1,4		1,4	1,4	1,4	1,4		1,4	1,4	1,4			
Panel shear			5,9			5,9		5,9	5,9	5,9	5,9		5,9	5,9	5,9			

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p.3/3 - DOP

DATA SHEET

Essential characteristics	Performances														Harmonized technical specification		
			5			8		10	12	15	18		22	25		30	
Thickness in mm																	
ELASTICITY : N/mm²																	
Bending // to faces			8 160			6 120		5 300	5 120	4 660	4 260		4 040	4 250	4 160		
Bending ⊥ to faces			820			2 360		2 980	3 120	3 460	3 770		3 930	3 780	3 850		
Tension // to faces			4 710			3 870		4 060	3 780	3 980	3 430		3 590	3 910	3 890		
Tension ⊥ to faces			3 430			4 060		3 920	4 130	3 980	4 390		4 270	4 030	4 050		
Compression // to faces			4 710			3 870		4 060	3 780	3 980	3 430		3 590	3 910	3 890		
Compression ⊥ to faces			1 960			2 320		2 240	2 360	2 270	2 510		2 440	2 300	2 310		
Planar shear // to faces			20			20		20	20	20	20		20	20	20		
Planar shear ⊥ to faces			70			70		70	70	70	70		70	70	70		
Panel shear			430			440		440	440	440	440		440	440	440		
Punching shear resistance	NPD																
Impact resistance	NPD																
Water vapour permeability (μ)																	
- wet cup	45																
- dry cup	180																
Sound absorption [250-500] Hz	0,1																
Sound absorption [1000-2000] Hz	0,3																
Thermal conductivity (W/m.K)	0,13																
Release of pentachlorophenol (ppm)	< 5																

EN 13986 : 2004 + A1 : 2015

EN 13986 : 2004 + A1 : 2015

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

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

Signed on the behalf of the manufacturer by :	J. ROUSSEAU	Quality Manager	The :	01/02/2021	in :	Le Vanneau
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