



ALLIN PLEX 100% OKOUME (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 10/10ths
2 sides joined on 3100 x 1830 mm size
Veneer Quality: III/III
100% Okoume Ply Interiors

Glue: Class 3 - NF Exterior CTB-X N°21
Glue standard: Standard EN 314
Dimensional Tolerance: Standard EN 315
Density: 500 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	3	100 pcs	-	-
4 mm	3	100 pcs	100 pcs	100 pcs
5 mm	3	80 pcs	80 pcs	80 pcs
6 mm	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	15 pcs	15 pcs	15 pcs
35 mm	15	15 pcs	15 pcs	15 pcs
40 mm	17	10 pcs	10 pcs	10 pcs

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

ADVANTAGES

- Exceptional mechanical resistance
- Cutting stability
- Moisture resistant

ON

REQUEST

- 2500 x 1530 mm size
- + Calibration Value
- - Veneer Quality Value III
- + Veneer Quality Value I
- + Veneer Value 13
- Product certified FSC®
- Product certified CARB II / TSCA VI



E1



La marque de la gestion forestière responsable



TSCA
Title VI



DATA SHEET



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p.2/3 - DOP

DECLARATION OF PERFORMANCE (DOP)

N° DOP :	DDP GC-32	Version 21 of 01/02/2021
Identification code :	EN 636-3	
Type number :	ALLIN PLEX 100% OKOUME	
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
	3	4	5	6	8	10	12	15	18	22	25	30	40				
Bonding quality	3																EN 13986 : 2004 + A1 : 2015
Density : Kg/m ³	500																
Reaction to fire	E								D-s2,d0								
Release of formaldehyde	E1																
STRENGTH : N/mm²																	
Bending // to faces	54,3	51,0	51,6	51,6	33,4	33,8	32,2	29,0	33,3	29,9	26,6	25,9	25,1				
Bending ⊥ to faces	4,4	7,5	7,0	7,0	24,2	23,9	25,3	26,2	23,8	27,2	30,3	30,8	31,5				
Tension // to faces	13,4	11,5	11,8	11,8	8,7	9,6	8,1	9,6	11,9	10,2	9,1	9,0	9,0				
Tension ⊥ to faces	9,1	10,9	10,6	10,6	12,8	11,9	13,3	11,8	9,5	11,2	12,2	12,3	12,3				
Compression // to faces	22,0	18,8	19,3	19,3	14,3	15,7	13,3	15,7	19,5	16,7	14,9	14,8	14,7				
Compression ⊥ to faces	14,9	17,8	17,4	17,4	20,9	19,5	21,9	19,4	15,5	18,3	20,0	20,1	20,2				
Planar shear // to faces	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3				
Planar shear ⊥ to faces	1,4	1,4	1,4	1,4	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3				
Panel shear	6,1	6,0	6,0	6,0	6,0	6,0	6,0	5,9	5,9	5,9	5,9	5,9	5,9				

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p.3/3 - DOP

D A T A S H E E T

Essential characteristics	Performances																Harmonized technical specification
	3	4	5	6	8	10	12	15	18	22	25	30	40				
ELASTICITY : N/mm²																	
Bending // to faces	8 520	8 000	8 090	8 090	5 240	5 300	5 050	4 770	5 220	4 680	4 160	4 060	3 930				
Bending ⊥ to faces	690	1 170	1 090	1 090	3 800	3 740	3 960	4 200	3 720	4 260	4 740	4 830	4 930				
Tension // to faces	5 280	4 510	4 620	4 620	3 600	3 970	3 350	3 950	4 920	4 220	3 760	3 740	3 710				
Tension ⊥ to faces	3 760	4 490	4 390	4 390	5 290	4 920	5 520	4 900	3 920	4 620	5 060	5 080	5 100				
Compression // to faces	5 280	4 510	4 620	4 620	3 600	3 970	3 350	3 950	4 920	4 220	3 760	3 740	3 710				
Compression ⊥ to faces	3 760	4 490	4 390	4 390	5 290	4 920	5 520	4 900	3 920	4 620	5 060	5 080	5 100				
Planar shear // to faces	67	67	67	67	67	67	67	67	67	67	67	67	67				
Planar shear ⊥ to faces	70	70	70	70	69	68	68	68	67	67	67	67	67				
Panel shear	420	410	410	410	410	410	410	410	410	410	410	410	400				
Punching shear resistance	NPD																EN 13986 : 2004 + A1 : 2015
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																

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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