



ALLIN PLEX OKOUME



ARBOR

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p.1/3 - General

DATA SHEET



FACES	Peeled Okoume veneers 10/10 ^{ths} Faces quality B/BB
INNER LAYERS	Standard plies - 100% Okoume
GLUE	Class 3 - Outdoor use Glue Standard EN 314
DIMENSIONAL TOLERANCE	Standard EN 315
DENSITY	500 kg/m ³ (+/- 10%). Standard EN 323

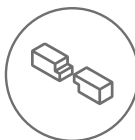
RECOMMENDED APPLICATIONS



Caravans,
RVs



Commercial
vehicles,
Vans



Indoor
& outdoor
joinery



Flooring



Indoor
& outdoor
furniture



Indoor
wall
& ceiling

BENEFITS

Strong mechanical resistance
Good resistance to moisture
Best seller
Naturally durable

DIMENSIONS (MM)		THICKNESS (MM)														
		3	4	5	6	8	10	12	15	18	19	22	25	30	35	40
2500 x 1220	No. of plies <i>Pack size*</i>	3 91	3 96	3 96	3 96	5 48	5 48	7 48	7 32	9 32	9 32	9 16	11 16	13 16	15 16	17 16
3100 x 1530	No. of plies <i>Pack size*</i>	- -	3 100	3 100	3 100	5 50	5 50	7 50	7 25	9 25	9 25	9 25	11 25	13 25	15 25	17 25
3100 x 1830 <i>jointing on both faces</i>	No. of plies <i>Pack size*</i>	- -	3 100	3 100	- -	5 50	5 50	7 50	7 25	9 25	9 25	9 25	11 25	13 25	15 25	17 25

* quantity per pack may vary within the scope of +/- 10%



E1

CE₂₊



The mark of
responsible forestry



TSCA
Title VI



DECLARATION OF PERFORMANCE (DOP)

N° DOP :	DDP GC-32	Version 21 of 01/02/2021
Identification code :	EN 636-3	
Type number :	ALLIN PLEX 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
Thickness in mm	3	4	5	6		8		10	12	15	18		22	25	30	40	EN 13986 : 2004 + A1 : 2015
Bonding quality	3																
Density : Kg/m³	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	



Essential characteristics	Performances																Harmonized technical specification
Thickness in mm	3	4	5	6		8		10	12	15	18		22	25	30	40	EN 13986 : 2004 + A1 : 2015
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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