



ALLIN PLEX COMBI



ALLIN
La Motte Michel, 79270 Le Vanneau
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contact.allin@groupe-arbor.com
www.allin.fr

p.1/3 - General



FACES	Peeled Okoume Veneers 10/10 ^{ths} Faces quality B/BB
INNER LAYERS	Standard plies - Alternate of Okoume & Poplar
GLUE	Class 3 - Use in dry or sheltered areas Glue Standard EN 314
DIMENSIONAL TOLERANCE	Standard EN 315
DENSITY	480 kg/m ³ (+/- 10%). Standard EN 323



E1



RECOMMENDED APPLICATIONS

- Commercial vehicles, Vans
- Indoor & outdoor joinery
- Indoor & outdoor furniture
- Indoor wall & ceiling

BENEFITS

Lightweight
Versatile
Good ratio weight / mechanical resistance

DATA SHEET

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



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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																
Bonding quality	3														EN 13986 : 2004 + A1 : 2015	
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	
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	

DATA SHEET



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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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