



# ALLIN PLEX COMBI



ALLIN  
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contact.allin@groupe-arbor.com  
www.allin.fr

p.1/3 - General



<b>FACES</b>	Peeled Okoume Veneers 10/10 <sup>ths</sup> Faces quality B/BB
<b>INNER LAYERS</b>	Standard plies - Alternate of Okoume & Poplar
<b>GLUE</b>	Class 3 - Use in dry or sheltered areas Glue Standard EN 314
<b>DIMENSIONAL TOLERANCE</b>	Standard EN 315
<b>DENSITY</b>	480 kg/m <sup>3</sup> (+/- 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

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



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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 <sup>3</sup>	480																	
Reaction to fire	E							D-s2,d0										
Release of formaldehyde	E1																	
STRENGTH : N/mm <sup>2</sup>																		
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			

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	
<b>ELASTICITY : N/mm<sup>2</sup></b>																
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															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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