



ALLIN POLYPLEX TWIN



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 - 100% Poplar
GLUE	Class 3 - Use in dry or sheltered areas Glue Standard EN 314
DIMENSIONAL TOLERANCE	Standard EN 315
DENSITY	440 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

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

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

DATA SHEET



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p.2/3 - DOP

DECLARATION OF PERFORMANCE (DOP)

N° DOP :	DDP GC-12	Version 21 of 01/02/2021
Identification code :	EN 636-3	
Type number :	ALLIN POLYPLEX TWIN	
Intended use :	Use in dry or sheltered damp environments	
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	440																
Reaction to fire	E							D-s2,d0									
Release of formaldehyde	E1																
STRENGTH : N/mm ²																	
Bending // to faces			38,3			29,9		27,1	24,7	24,1	22,7		20,8	21,8	21,6		
Bending ⊥ to faces			5,2			12,1		15,5	18,3	19,6	21,5		23,1	22,6	23,1		
Tension // to faces			9,4			7,6		7,5	7,4	7,1	7,3		6,3	6,7	7,1		
Tension ⊥ to faces			14,7			16,9		16,8	16,7	17,1	16,5		18,3	17,3	16,4		
Compression // to faces			15,4			10,9		10,1	9,6	8,7	8,6		7,3	7,6	7,7		
Compression ⊥ to faces			14,7			16,9		16,8	16,7	17,1	16,5		18,3	17,3	16,4		
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			1,2			1,1		1,1	1,1	1,1	1,1		1,1	1,1	1,1		
Panel shear			5,6			5,8		5,8	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	
			5			8		10	12	15	18		22	25		30
Thickness in mm																
ELASTICITY : N/mm²																
Bending // to faces			7 500			5 510		4 870	4 360	4 170	3 850		3 520	3 630	3 540	
Bending ⊥ to faces			820			2 460		2 980	3 400	3 460	3 690		3 930	3 780	3 800	
Tension // to faces			4 360			3 520		3 450	3 430	3 260	3 360		2 890	3 110	3 310	
Tension ⊥ to faces			3 430			3 930		3 920	3 880	3 980	3 840		4 270	4 030	3 810	
Compression // to faces			4 360			3 080		2 860	2 710	2 470	2 420		2 070	2 140	2 180	
Compression ⊥ to faces			1 960			2 240		2 240	2 220	2 270	2 190		2 440	2 300	2 180	
Planar shear // to faces			20			20		20	20	20	20		20	20	20	
Planar shear ⊥ to faces			64			37		32	29	27	25		25	24	23	
Panel shear			420			430		430	430	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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