



ALLIN POLYPLEX TWIN (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 10/10^{ths}
2 sides joined on 3100 x 1830 mm size
Veneer Quality: II/III
100% Poplar Ply Interiors*

*Glue: Class 3 - NF Exterior CTB-X N°21
Glue standard: Standard EN 314
Dimensional Tolerance: Standard EN 315
Density: 440 kg/m³ +/- 10%. Standard EN 323*

ADVANTAGES

- *Lightweight*
- *Cutting stability*
- *Very versatile use*
- *Good weight/mechanical characteristics ratio*

ON

REQUEST

- *+ Calibration Value*
- *- Veneer Quality Value III*
- *Product certified PEFC™*

THICKNESS	PLIES	2500 x 1220 mm	3100 x 1530 mm	3100 x 1830 mm
		Pack size	Pack size	Pack size
5 mm	3	80 pcs	80 pcs	80 pcs
8 mm	5	50 pcs	50 pcs	50 pcs
10 mm	5	50 pcs	50 pcs	50 pcs
12 mm	5	40 pcs	40 pcs	40 pcs
15 mm	7	30 pcs	30 pcs	30 pcs
18 mm	7	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	11	15 pcs	15 pcs	15 pcs

*Average weight per pack: 2500 x 1220 = 0,600 ton / 3100 x 1530 = 0,900 ton
Delivery quantity tolerance +/- 10%*

General purpose plywood panel meeting CTB-X standards, for damp environments and exterior applications.

Applications: Lightweight, easy to use panel. Suitable for all types of layout and furnishing.



E1

CE₂₊



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/mm²																		
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

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			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)	NPD																
- 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																
	NPD																

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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