



ALLIN FLAM TWIN (Euroclass B)



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 10/10th
Veneer Quality: II/III
100% Poplar Ply Interiors*

*Glue: Class 3 - Use in dry environment
Glue standard: Standard EN 314
Dimensional Tolerance: Standard EN 315
Density: 440 kg/m³ +/- 10%. Standard EN 323*

ADVANTAGES

- Fire resistant to European standard Euroclass (B-s1, d0)
- Lightweight
- Cutting stability

ON

REQUEST

- + Calibration Value
- Varnish, fire retardant paint
- Product certified PEFC™

THICKNESS	PLIES	2500 x 1220 mm	3100 x 1530 mm
		Pack size	Pack size
5 mm	5	80 pcs	80 pcs
8 mm	5	50 pcs	50 pcs
10 mm	5	50 pcs	50 pcs
12 mm	5	40 pcs	40 pcs
15 mm	7	30 pcs	30 pcs
18 mm	7	25 pcs	25 pcs
22 mm	9	22 pcs	22 pcs
25 mm	11	20 pcs	20 pcs
30 mm	13	15 pcs	15 pcs

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

Applications: Fire-resistant panel for interior and/or exterior design and layout in both public and private areas. Uses: all types including fittings for shops and commercial premises, stands...

Allin Flam Twin obtains its classification through impregnation. For all varnished, stained and lacquered finishes, please contact us.



DATA SHEET



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p.2/3 - DOP

DATA SHEET

DECLARATION OF PERFORMANCE (DOP)

N° DOP :	DDP GT-11	Version 21 of 01/02/2021
Identification code :	EN 636-1	
Type number :	ALLIN FLAM TWIN (Euroclass B)	
Intended use :	Use in dry 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	

DECLARED PERFORMANCES :

Essential characteristics	Performances														Harmonized technical specification	
			5			8		10	12	15	18		22	25		30
Thickness in mm			5			8		10	12	15	18		22	25	30	
Bonding quality																
Density : Kg/m ³	440															
Reaction to fire	B-s1, 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	

EN 13986
: 2004 + A1 :
2015



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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			5			8		10	12	15	18		22	25	30		EN 13986 : 2004 + A1 : 2015
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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