



ALLIN FLAM 100% POPLAR (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



Unbleached Poplar peeled sides 13/10^{ths}
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: 420 kg/m³ +/- 10%. Standard EN 323

ADVANTAGES

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

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	3	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	11	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 designed for use in dry interiors. Uses: Interior fittings, shop fittings, stands and premises open to the public.

Allin Flam 100% Poplar obtains its classification through impregnation. For all varnished, stained and lacquered finishes, please contact us.





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DECLARATION OF PERFORMANCE (DOP)

N° DOP :	DDP GT-01	Version 21 of 01/02/2021
Identification code :	EN 636-1	
Type number :	ALLIN FLAM 100% POPLAR (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																		EN 13986 : 2004 + A1 : 2015
Bonding quality																		
Density : Kg/m ³	420																	
Reaction to fire	B-s1, d0																	
Release of formaldehyde	E1																	
STRENGTH : N/mm²																		
Bending // to faces			39,7			29,2		25,8	23,1	22,7	21,2		19,7	20,7	20,6		EN 13986 : 2004 + A1 : 2015	
Bending ⊥ to faces			5,3			15,8		19,2	21,9	22,3	23,8		25,3	24,3	24,4			
Tension // to faces			15,3			13,1		13,2	13,3	12,9	13,5		11,7	12,7	13,6			
Tension ⊥ to faces			14,7			16,9		16,8	16,7	17,1	16,5		18,3	17,3	16,4			
Compression // to faces			15,3			13,1		13,2	13,3	12,9	13,5		11,7	12,7	13,6			
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			1,1			1,1		1,1	1,1	1,1	1,1		1,1	1,1	1,1			
Panel shear			6,0			6,0		6,0	6,0	6,0	6,0		6,0	6,0	6,0			



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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			6 170			4 530		4 010	3 590	3 530	3 300		3 060	3 210	3 190	
Bending ⊥ to faces			820			2 460		2 980	3 400	3 460	3 690		3 930	3 780	3 800	
Tension // to faces			3 560			3 060		3 070	3 110	3 010	3 150		2 720	2 960	3 180	
Tension ⊥ to faces			3 430			3 930		3 920	3 880	3 980	3 840		4 270	4 030	3 810	
Compression // to faces			2 030			1 750		1 750	1 770	1 720	1 800		1 550	1 690	1 810	
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			20			20		20	20	20	20		20	20	20	
Panel shear			450			450		450	450	450	450		450	450	450	
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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