



# ALLIN R'PLY 100% OKOUME CLASS 3



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

DATA SHEET



*Peeled Okoume Veneers 10/10<sup>ths</sup>*  
*Veneer Quality: II/III*  
*100% FSC® Okoume Ply Interiors*  
*Class 3 RESI4FIT adhesive: Damp environments*  
*Glue standard: Standard EN 314*  
*Dimensional Tolerance: Standard EN 315*  
*Density: 500 kg/m<sup>3</sup> +/- 10%. Standard EN 323*

Allin **R'PLY** 100% Okoume is a high performance, environmentally friendly plywood: Mechanically and moisture resistant.  
Derived from sustainable timber, **R'PLY**, 100% FSC®, plywood has impeccable environmental credentials from the forest to the finished product.

THICKNESS	PLIES	2500 x 1220 mm	3100 x 1530 mm
		Pack size	Pack size
3 mm	3	100 pcs	-
4 mm	3	100 pcs	100 pcs
5 mm	3	80 pcs	80 pcs
6 mm	3	80 pcs	80 pcs
8 mm	5	50 pcs	50 pcs
10 mm	5	50 pcs	50 pcs
12 mm	7	40 pcs	40 pcs
15 mm	7	30 pcs	30 pcs
18 mm	9	25 pcs	25 pcs
19 mm	9	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
35 mm	15	15 pcs	15 pcs
40 mm	17	10 pcs	10 pcs

Average weight per pack: 2500 x 1220 = 0,700 ton / 3100 x 1530 = 1,100 ton  
Delivery quantity tolerance +/- 10%

Resi4<sup>FIT</sup>, une colle innovante et responsable

Meets the strictest environmental guidelines:



## ADVANTAGES

- 100% FSC® veneers
- Organically sourced adhesive (-60% formaldehyde)
- Reduced CO2 emissions (-28kg/m<sup>3</sup>)

## ON REQUEST

- - Veneer Quality Value III ■ + Veneer Quality Value I
- + Veneer Value 13/10<sup>ths</sup> ■ + Calibration Value
- Product certified CARB II / TSCA VI\*  
(\* certification being applied for)



La marque de la gestion forestière responsable





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p.2/3 - DOP

## DECLARATION OF PERFORMANCE (DOP)

N° DOP :	DDP GR-31	Version 21 of 01/02/2021
Identification code :	EN 636-3	
Type number :	ALLIN R'PLY 100% OKOUME	
Intended use :	For use in 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	

## DECLARED PERFORMANCES :

Essential characteristics	Performances																Harmonized technical specification
	3	4	5	6	8	10	12	15	18	22	25	30	40				
Thickness in mm																	EN 13986 : 2004 + A1 : 2015
Bonding quality	3																
Density : Kg/m³	500																
Reaction to fire	E								D-s2,d0								
Release of formaldehyde	E1																
STRENGTH : N/mm²																	
Bending // to faces	54,3	51,0	51,6	51,6		33,4		33,8	32,2	29,0	33,3		29,9	26,6	25,9	25,1	EN 13986 : 2004 + A1 : 2015
Bending ⊥ to faces	4,4	7,5	7,0	7,0		24,2		23,9	25,3	26,2	23,8		27,2	30,3	30,8	31,5	
Tension // to faces	13,4	11,5	11,8	11,8		8,7		9,6	8,1	9,6	11,9		10,2	9,1	9,0	9,0	
Tension ⊥ to faces	9,1	10,9	10,6	10,6		12,8		11,9	13,3	11,8	9,5		11,2	12,2	12,3	12,3	
Compression // to faces	22,0	18,8	19,3	19,3		14,3		15,7	13,3	15,7	19,5		16,7	14,9	14,8	14,7	
Compression ⊥ to faces	14,9	17,8	17,4	17,4		20,9		19,5	21,9	19,4	15,5		18,3	20,0	20,1	20,2	
Planar shear // to faces	1,3	1,3	1,3	1,3		1,3		1,3	1,3	1,3	1,3		1,3	1,3	1,3	1,3	
Planar shear ⊥ to faces	1,4	1,4	1,4	1,4		1,3		1,3	1,3	1,3	1,3		1,3	1,3	1,3	1,3	
Panel shear	6,1	6,0	6,0	6,0		6,0		6,0	6,0	5,9	5,9		5,9	5,9	5,9	5,9	

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DATA SHEET

Essential characteristics	Performances																Harmonized technical specification
	3	4	5	6	8	10	12	15	18	22	25	30	40				
Thickness in mm																	EN 13986 : 2004 + A1 : 2015
<b>ELASTICITY : N/mm<sup>2</sup></b>																	
Bending // to faces	8 520	8 000	8 090	8 090	5 240	5 300	5 050	4 770	5 220	4 680	4 160	4 060	3 930	EN 13986 : 2004 + A1 : 2015			
Bending ⊥ to faces	690	1 170	1 090	1 090	3 800	3 740	3 960	4 200	3 720	4 260	4 740	4 830	4 930				
Tension // to faces	5 280	4 510	4 620	4 620	3 600	3 970	3 350	3 950	4 920	4 220	3 760	3 740	3 710				
Tension ⊥ to faces	3 760	4 490	4 390	4 390	5 290	4 920	5 520	4 900	3 920	4 620	5 060	5 080	5 100				
Compression // to faces	5 280	4 510	4 620	4 620	3 600	3 970	3 350	3 950	4 920	4 220	3 760	3 740	3 710				
Compression ⊥ to faces	3 760	4 490	4 390	4 390	5 290	4 920	5 520	4 900	3 920	4 620	5 060	5 080	5 100				
Planar shear // to faces	67	67	67	67	67	67	67	67	67	67	67	67	67				
Planar shear ⊥ to faces	70	70	70	70	69	68	68	68	67	67	67	67	67				
Panel shear	420	410	410	410	410	410	410	410	410	410	410	410	400				
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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