DECLARATION OF PERFORMANCE (DOP)

N° DOP :	DDP GY-61 Versus 21 dated 01/02/2021
Identification code	EN 636-3
Type number :	REGINA
Intented use :	For use in nautical environments
Manufacturer :	SAS ALLIN - Route de la Couarde - 79270 LE VANNEAU contact.allin@groupe-arbor.com - www.allin.fr
Evaluation and verification of system	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																Spécification technique
Thickness in mm		4		6			9		12	15	18		22				
Bonding quality	3																EN 13986 : 2004 + A1 : 2015
Density : Kg/m3	525																
Reaction to fire	E						D-s2,d0										
Release of formaldehyde	E1																
Strenght : N/mm²																	
- Bending // to faces		88,3		65,7			51,9		44,9	44,6	42,2		37,8				
- Bending ⊥ to faces		7,9		20,3			27,6		30,6	28,5	29,0		31,6				
- Tension // to faces		32,2		16,6			11,2		10,4	12,6	12,5		11,4				
- Tension ⊥ to faces		12,0		9,9			14,4		14,7	12,3	12,2		13,0				
- Compression // to faces		30,3		27,2			18,4		17,0	20,6	12,2		18,7				
- Compression ⊥ to faces		19,7		16,3			23,5		24,1	20,1	12,2		21,4				
- Planar shear // to faces		1,4		1,4			1,4		1,4	1,4	12,2		1,4				
- Planar shear to faces		2,2		1,4			1,4		1,4	1,4	12,2		1,4				
- Panel shear		6,2		6,2			6,2		6,2	6,2	12,2		6,2				
Elasticity : N/mm²																	
- Bending // to faces		11 680		8 730			6 940		6 080	6 180	5 900		5 310				
- Bending ⊥ to faces		1 240		3 180			4 330		4 790	4 460	4 540		4 960				
- Tension // to faces		6 580		6 530			4 410		4 080	4 950	4 900		4 490				
- Tension ⊥ to faces		4 730		3 900			5 650		5 790	4 820	4 790		5 130				
- Compression // to faces		6 580		6 530			4 410		4 080	4 950	4 900		4 490				
- Compression ⊥ to faces		4 730		3 900			5 650		5 790	4 820	4 790		5 130				
- Planar shear // to faces		70		70			70		70	70	70		70				
- Planar shear to faces		70		70			70		70	70	70		70				
- Panel shear		430		430			430		430	430	430		430				
Punching shear resistance	NPD																
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 manufacture J. ROUSSEAU Quality manager The : 01/02/2021 In : Le Vanneau