



N° 002/01-2022  
Version :01-EN



**DECLARATION OF PERFORMANCE (DOP)**  
**MARINE PLYWOOD**

<b>Manufacturer</b>	<b>STAR PLY GABON</b> Adress: BP 1024 B2/B1 GSEZ Libreville -Gabon Email : starplygabon@gmail.com			
<b>Certificates</b>	<b>CE N°:0380-CPR-800</b> <b>CTB-X: N°80</b> <b>KOMO : 21100</b> <b>Mill N°ICTT-19076</b>			
<b>Harmonised standard</b>	BS EN 13986:2004+A1:2015			
<b>Evaluation system</b>	2+			
<b>Type of use according BS 1088:2018</b>	Structural use			
<b>Specie and appearance quality of veneer standard BS EN 635-2</b>	100% Okoume Face quality and face down B/ BB and II/II			
<b>Durability of specie according BS EN 350:2016</b>	1 to 4			
<b>Sizes</b>	2440 x 1220 ,2500 X 1220 mm and 3100 X 1530 mm			
<b>Thickness (mm)</b>	2,7.4.6.9.12.15.18.22.25.28.30			
<b>Dimensional tolerance standard BS EN 315:2020 and EN 324 1 and 2</b>	Length and width: ±3,5 mm Edge straightness and squaring:1mm/m Thickness deviation in the same plywood : 0,6 mm ≤25 ( Thickness plywood ) 0,8 mm × 25 (Thickness plywood )			
<b>Thickness deviation in the same plywood According BS EN 315:2000</b>				
<b>Density Standard BS EN 323 :</b>	500 kg /m3 ± 30			
<b>Gluing class BS EN 314-1 and 2</b>	Class 3 for use in an exterior environment According BS EN 636-3 5			
<b>type of glue according BS 1203</b>	phenol exterior			
<b>Formaldehyde release EN ISO 12460-3 :2016</b>	E1 -Release ≤3,5mg/M2 h			
<b>Bonding Quality Standards</b>	<b>Thickness (mm)</b>	<b>Number plies</b>	<b>Tensile stress ( N/mm2)</b>	<b>Percentage of apparent wood rupture (%)</b>
<b>BS EN 314-1 and 2</b>	2.7	3	0.92	70
	4	3	1.5	40
	6	5	1.32	75
	9	5	1.86	58
	12	7	0.96	70
	15	7	1.41	60
	18	9	1.12	65
	22	9	1.32	55
	25	11	1.71	70
	28	11	1.32	45
30	17	1.32	75	

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Mechanical characteristic Standard BS EN 310	Thickness (mm)	Number plies	Modulus of elasticity		Tensile Strength	
			average (N/mm <sup>2</sup> )		average (N/mm <sup>2</sup> )	
			Along grain	Short grain	Along	accros
	6	5	4200	3900	39.2	42.3
	9	5	4295	4099	40.1	40.6
	12	5	4010	4200	40.2	41.2
	15	7	4800	4200	39.8	45.9
	18	7	5300	4200	39.9	45.8
	22	9	4800	4080	40.7	49.6
	25	11	4320	3800	39.7	43.2
	28	17	4430	4100	39.1	45.2
	30	19	4300	3900	60.8	46.8
Sound absorption	NPD					

reaction to fire	D,s2-d0 for the thicknesses ≥ 9mm					
	According norm EN 13986:2004+A1 2015 (§ 5.8)					
construction plywood						
Nominal Thickness plywood	Face		Ames(panel)		Core (Interior)	
	Thickness(m)	number of plies(mm)	thickness(mm)	number of plies	Thicness (cm)	number of plies
2.7	0.9	2			1.0	1
4	1.2	2			2.0	1
6	0.9	2	1.8	1	1.8	1
9	1.2	2	2.0	1	2.5	2
12	1.2	2	2.0	2	2.0	3
15	1.2	2	3.0	2	2.5	3
18	1.2	2	2.6	3	2.0	4
22	1.2	2	3.1	3	2.6	4
25	1.2	2	3.1	4	2.1	5
28	1.2	2	3.1	4	2.8	5
30	1.2	2	3.1	4	3.1	5

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