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Technical data sheet

Okoumé marine plywood

The **Okoumé marine plywood**, bonded with melamine adhesive, is the panel most widely known in this category. Thanks to the fair natural durability, its use ensures resistance to fungal deterioration, provided that the edges are properly protected. The particularly **light density along with interesting mechanical properties** make it suitable for the production of furniture, doors and windows exposed to environments subject to moisture variations and for many wooden components in the recreational boating.

The product, available in the thickness range from 4 to 50 mm, can be supplied with the Type Approval from **Lloyd's Register** in accordance with the standard **BS 1088:2003** - certification n° **LR2038670TA**.

The Okoumé marine plywood is also available **CE marked** according to EN 13986 for use in construction as not structural element, in compliance with the requirements of the Regulation (EU) No 305/2011 (CPR).

Property ¹	Reference Standard	Unit	Values										
Thickness	EN 315	mm	4	5	10	12	15	18	20	25	30	35	40
Layers		n°	3	3	5	7	7	9	9	11	13	15	17
Density	EN 323	kg • m ⁻³	500 ± 40										
Weight		kg • m ⁻²	2	2,5	5	6	7,5	9	10	12,5	15	17,5	20
Bending strength:													
parallel to grain	EN 310	N • mm ⁻²	60	67	45	49	52	45	37	37	40	38	33
perpendicular to grain	EN 310	N • mm ⁻²	25	21	30	44	47	45	24	25	36	40	30
Bending modulus of elasticity:													
parallel to grain	EN 310	N • mm ⁻²	7 000	7 300	5 700	5 000	5 900	5 200	5 500	5 300	5 000	4 250	4 200
perpendicular to grain	EN 310	N • mm ⁻²	1 000	2 800	3 800	4 100	4 100	5 300	4 200	4 000	3 800	4 050	4 000
Bonding quality	EN 314-2		Class 3										
Release of formaldehyde	EN 717-1		Class E05 (Reach compliant)										
Reaction to fire	EN 13501-1		NPD		D-s2,d0 - D _{FL} -s1								
Thermal conductivity - λ	EN 12664	W • (m k) ⁻¹	0,13										

¹ **Warning:** The information given in this data sheet must be considered as mean values resulting from internal controls and are therefore indicative. The buyer is responsible for assessing the suitability of the panels to the specific application to which they are intended. He is also responsible that the modality of transport, storage and use of the panels are correct and conform to the guideline of the supplier and the requirements of applicable standards.