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Technical data sheet

African Mahogany marine plywood

The **African Mahogany marine plywood**, bonded with melamine adhesive, is notable for its high mechanical properties and an excellent natural durability.

The panel, made with **Khaya or Sapele** veneers, is particularly suitable for the manufacture of furniture for recreational craft and for many other uses in the nautical sector.

The product, available in the thickness range from 4 to 30 mm, can be supplied with the Type Approval from **Lloyd's Register** in accordance with the standard **BS 1088:2003 - certification n° 05/00038(E2)**.

Property ¹	Reference Standard	Unit	Values									
			4	6	8	10	12	15	18	20	25	30
Thickness	EN 315	mm	4	6	8	10	12	15	18	20	25	30
Layers		n°	3	5	5	7	9	11	13	15	17	21
Density	EN 323	kg • m ⁻³	720 ± 40									
Weight		kg • m ⁻²	2,9	4,3	5,8	7,2	8,6	10,8	13	14,4	18	21,6
Bending strength:												
parallel to grain	EN 310	N • mm ⁻²	120	109	80	80	77	69	64	68	61	55
perpendicular grain	EN 310	N • mm ⁻²	27	44	60	50	57	62	60	61	55	53
Bending modulus of elasticity:												
parallel to grain	EN 310	N • mm ⁻²	11 800	11 000	8 000	8 200	7 400	7 500	7 200	7 800	6 700	5 300
perpendicular grain	EN 310	N • mm ⁻²	720	2 600	4 300	4 100	3 700	5 600	5 200	6 100	4 680	5 080
Bonding quality	EN 314-2		Class 3									
Release of formaldehyde	EN 717-2		Class E1									
Reaction to fire	EN 13501-1		NPD			D-s2,d0 - D _{FL} -s1						
Thermal conductivity - λ	EN 12664	W • (m k) ⁻¹	0,17									

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.