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Technical data sheet

Exotic Plywood

Exotic plywood is generally made with urea adhesive suitable for use in dry condition (interior). The panel is also available with melamine gluing, for applications subject to moisture variations.

For its production rotary cut veneers of Fromager (Ceiba) are used. The panel is also available in mixed composition (**combi**) with Poplar or Okoumé veneers.

Exotic Plywood is mainly characterized by its **lightness**, a **good dimensional stability** and **ease of processing**.

Performance values of Exotic Plywood (with Ceiba)¹

Property	Reference Standard	Unit	Values									
Thickness	EN 315	mm	3	6	8	10	12	15	18	20	25	30
Layers		n°	3	3	5	5	7	7	9	9	11	15
Density	EN 323	kg • m ⁻³	400 ± 40									
Weight		kg • m ⁻²	1,2	2,5	3,4	4,2	5	6,3	7,6	8,4	10,5	12,6
Bending strength:												
parallel to grain	EN 310	N • mm ⁻²	30	26	35	30	33	28	34	30	26	24
perpendicular to grain	EN 310	N • mm ⁻²	15	24	30	28	30	34	35	28	28	25
Bending modulus of elasticity:												
parallel to grain	EN 310	N • mm ⁻²	4 500	3 900	3 800	3 500	3 200	3 000	3 600	2 900	2 800	2 800
perpendicular to grain	EN 310	N • mm ⁻²	700	2 100	2 500	3 000	3 400	3 300	3 400	3 100	3 000	2 400
Bonding quality	EN 314-2		Class 1									
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	0,12									

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.