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Technical data sheet

Beech Plywood

The **Beech plywood**, bonded with urea or melamine adhesive, is made with timber previously subjected to a steaming treatment.

The panel is particularly suitable for industrial applications involving **high mechanical performance and wear resistance**, such as shelves, platforms, work benches, moulds etc.

Property ¹	Reference Standard	Unit	Values										
Thickness	EN 315	mm	4	5	6	8	10	12	15	18	20	25	30
Density	EN 323	kg • m ⁻³	750 ± 40										
Weight		kg • m ⁻²	3	3,75	4,5	6	7,5	9	11,3	13,5	15	18,8	22,5
Bending strength:													
parallel to grain	EN 310	N • mm ⁻²	110	105	90	75	75	70	80	77	75	70	65
perpendicular to grain	EN 310	N • mm ⁻²	20	20	40	45	55	55	60	58	55	60	55
Bending modulus of elasticity:													
parallel to grain	EN 310	N • mm ⁻²	9 800	9 500	8 000	7 600	7 400	7 500	7 800	7 600	7 900	7 800	6 800
perpendicular to grain	EN 310	N • mm ⁻²	n.a.	n.a.	2 800	4 100	5 000	4 900	5 300	5 000	5 400	6 500	6 600
Static hardness	ISO 3350	daN	≥ 800										
Embedment strength	EN 383	N • mm ⁻²	≥ 50										
Resistance to axial withdrawal of screws	EN 320	daN	≥ 180										
Bonding quality	EN 314-2		Class 3										
Release of formaldehyde	EN 717-1		Class E05 (Reach compliant)										
Reaction to fire	EN 13501-1		n.a.						D-s2, d0 - D _{FL} -s1				
Thermal conductivity - λ	EN 12664	W • (m k) ₋₁	0,19										

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.