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	**8**	**10**	**12**	**15**	**18**	**20**	**25**	**30**
Density	EN 323	$kg \cdot m^{-3}$	750 ± 40							
Weight		$kg \cdot m^{-2}$	6	7,5	9	11,3	13,5	15	18,8	22,5
Bending strength:										
parallel to grain	EN 310	$N \cdot mm^{-2}$	75	75	70	80	77	75	70	65
perpendicular grain	EN 310	$N \cdot mm^{-2}$	45	55	55	60	58	55	60	55
Bending modulus of elasticity:										
parallel to grain	EN 310	$N \cdot mm^{-2}$	7 600	7 400	7 500	7 800	7 600	7 900	7 800	6 800
perpendicular grain	EN 310	$N \cdot mm^{-2}$	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	$N \cdot mm^{-2}$	≥ 50							
Resistance to axial withdrawal of screws	EN 320	daN	≥ 180							
Bonding quality	EN 314-2		Class 3							
Release of formaldehyde	EN 717-2		Class E1							
Reaction to fire	EN 13501-1		NPD	D-s2, dO - D_{FL}-s1						
Thermal conductivity - λ	EN 12664	$W \cdot (m\ k)^{-1}$	0,19							