

Technical Data Sheet		Birch Multitplex		
Sizes	2500 x 1500 mm Standard Others on request			
Thickness	4 - 100mm			
Surface*	Quality I (B)/ II (S)/ III (BB)/ IV (WG) according EN 635, both sides sanded Grit 80 - 120			
Structure	made of 1,5 mm Birch veneer			
Glueing**	Phenol class 3 according DIN EN314 (EN 636)			
Tolerance	Tolerance according DIN EN 315			
* DIN EN 635 Grading in, I(B), II(S), III (BB), IV (WG/CC):	I(B) : Surface without cracks, small knots, decorative usable (for Transparent-Lacquering f.e.) II(S) : Wood mistakes, with closed treatment, not transferring through III(BB) : open or repaired mistakes, for overlaying usable IV(WG/CC) : Surface without request	** DIN EN 636 Service class:	NK1 : Plywood for use in dry conditions NK2 : Plywood for use in humid conditions including protected external applications. It is also capable of resisting exposure to the weather for short periods. Use in interior applications where the humidity rises above that given for dry use is also acceptable. NK3 : Plywood for use in exterior conditions including liquid water or water vapour in damp but ventilated locations.	
18 mm thickness	standards according DIN EN 315/ DIN EN 324-2	Reached by Neugersdorfer Holzwerke		
Density	600 - 750 Kg/m ³	680 Kg/m ³		
Bending strength EN 636		Long 58 N/mm ² ; cross 46 N/mm ²		
E-Modul EN636		Long 75 N/mm ² ; cross 65 N/mm ²		
	min. N/mm ²	N/mm ²		
Formaldehyde class EN717-2	E1	E1		
Wood moisture	10% ± 2%	max 8%		
Tolerances according EN 315				
Thickness (t)	not sanded boards		sanded boards	
	Thickness tolerance within the board mm	Thickness tolerance mm	Thickness tolerance within the board mm	Thickness tolerance mm
≥ 3	1,0	t + (0,8 + 0,03 t)	0,6	t + (0,2 + 0,03 t)
≤ 12		t - (0,4 + 0,03 t)		t - (0,4 + 0,03 t)
>12	1,5	t + (0,8 + 0,03 t)	0,6	t + (0,2 + 0,03 t)
≤ 25		t - (0,4 + 0,03 t)		t - (0,4 + 0,03 t)
≥ 25	1,5	t + (0,8 + 0,03 t)	0,8	t + (0,0 + 0,05 t)
≤ 30		t - (0,4 + 0,03 t)		t - (0,4 + 0,05 t)
>30	1,15	t + (0,8 + 0,03 t)	0,8	t + (0,0 + 0,03 t)
		t - (0,4 + 0,03 t)		t - (0,4 + 0,03 t)