

DEMIDOVO PLY

Product info

Demidovo Ply is 100% birch plywood made from selected veneers cross-bonded using weather resistant glue. Birch plywood is the superior choice for woodworking projects. Made from the finest birch trees, Demidovo Ply meets the highest standards of quality and durability. Demidovo Ply is a versatile, strong, and sturdy plywood solution for a wide range of applications. With its smooth and consistent surface, Demidovo Ply is easy to work with, allowing to create precise cuts, joints, and finishes with ease. Its natural beauty and uniform grain patterns make it an attractive choice for any project.

Surface

Cross-grain face veneers, the growth lines run perpendicular to the long edges of the panel.

Panel size

1250/1300/1500/1525 x 3000/3050 mm

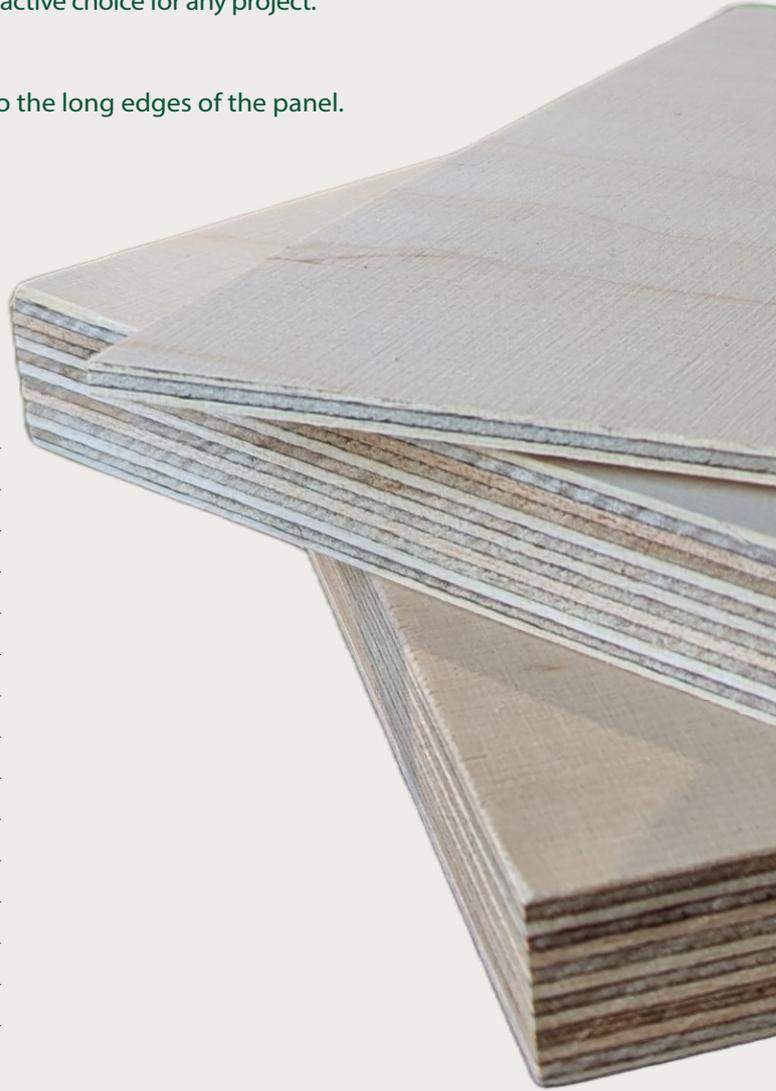
Cut sizes available upon request

Size tolerance (length/width) ± 1 mm per meter

Squareness tolerance ± 1 mm per meter length of diagonal

Constructions and thicknesses (sanded panels)

Nominal thickness (mm)	Number of plies	Thickness (mm)	
		Min	Max
4	3	3.7	4.3
6.5	5	6.1	6.9
9	7	8.4	9.5
12	9	11.5	12.5
15	11	14.3	15.5
18	13	17.1	18.7
21	15	20.0	21.7
24	17	23.0	24.3
27	19	25.8	27.2
30	21	28.1	29.9
35	23	34.9	35.4
40	25	38.2	39.2



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Applications

Demidovo Ply is used by our customers worldwide in most demanding project. Some of them include furniture manufacturing, engineered floors, DIY-projects and construction. In furniture, Demidovo Ply provides a durable structure and a beautiful finish that will last for years to come. Its smooth and consistent surface makes it easy to work with, allowing to create precise cuts, joints, and finishes with ease. For construction, Demidovo Ply offers exceptional strength and stability, providing a reliable foundation for a wide range of building projects. And in engineered floors, Demidovo Ply serves as a top-quality base panel, delivering superior performance and durability.

Mechanical properties

No.	Nominal thickness [mm]	Bending strength				Shear strength			
		Fibre dir. of the outer veneer				Boiling/storage cycle		Cold water	
		parallel		perpendicular					
		X N/mm ²	V %	X N/mm ²	V %	X N/mm ²	V %	X N/mm ²	V %
1	6.5	70.33	13.60	50.27	5.76	1.26	37.56	1.92	32.05
2	15	74.29	3.81	62.33	11.00	1.34	13.93	1.40	10.32
3	30	64.69	3.15	57.72	5.76	1.92	19.24	1.98	13.01
1-3		69.77		56.77		1.51		1.77	
Limit DIN68705-3		≥40.0		≥15.0		≥1.00		≥1.00	

Mean values (X) and coefficient of variation (V) of bending strength and shear strength

Grading and general parameters

Average density	Approx. 700 kg/m ³
Manufactured to	GOST 3916.1-2018, EN 636-2
Glue Bond	EN 314-2 Class 3 (Exterior)
Formaldehyde release	Class E1
Moisture content	8%-10% at manufacture
Grading	B/BB, S/BB, BB, BB/CP, CP, C
Core	Uniform and consistent core construction



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