



ProLigno

ProPly Plywood

Pine and Larch

Made of Pine and Larch with their unique natural properties in each plywood sheet
Light and strong construction material
Resistant to bacterial affection
Durability more than 50 years
Easy mechanical processing
No cracks when drying
Moisture-resistant

Grade I



Grade II



Grade III





Bonding

Weather resistant glueing according to EN 314-2/class 3 ProPly plywood fulfills the requirements of EN 13986 E1 low formaldehyde emission class.

Surface

Face veneer grades comply with standard EN 635-3.

Certification

High quality and mechanical strength of ProPly plywood is confirmed by BFU certificate. Made from FSC certified timber.

PROPLY PLYWOOD THICKNESS AND TOLERANCES FULFILL THE EN 315 REQUIREMENTS.

Thicknesses (nominal), mm t_{nom}	9, 12, 15, 18, 21, 24, 27, 30
Number of veneers	5, 7, 9, 11, 13
Density	up to 510 kg/m ³
Moisture content	9.8%



The mark of responsible forestry



Larch and pine softwood plywood with superior water-resistance and durability is suitable for a wide range of outdoor and indoor applications in construction, transport, packaging, furniture, etc. 1-3 plywood grades are assigned according to the visual surface quality which depends on natural wood properties of face veneer layers.

BASIC CHARACTERISTICS

Panel sizes*	2400x1200, 2440x1220, 2500x1250 mm
Tonged and grooved (T&G)	2440x600 / 1220
Size tolerance	1000-2000 mm + 3 mm, >2000 mm +4 mm
Service Class	2 (EN 1995-1-1)
Emission class	A, E1
Plywood to use in humid conditions (EN 636-2)	
Biological hazard class	1 and 2 (EN335-3)
Reaction to fire class	E, Efl (EN 13986:2004+A1:2015)

*Other sizes on special request.



PACKING INFORMATION. DIMENSIONS 2400X1200 mm

Thickness, (mm)	6.5	9	12	15	18	21	24
Sheets/Pack, pcs	77	56	42	33	28	24	21
Number of Packs, pcs	28	28	28	28	28	28	28
Volume/container,m3	40.36	40.64	40.64	39.92	40.64	40.64	40.64

PACKING INFORMATION. DIMENSIONS 2500x1250x468 mm

Thickness, (mm)	6.5	9	12	15	18	21	24	27	30
Volume of 1 bundle, m ³	1.46	1.46	1.46	1.45	1.46	1.44	1.43	1.43	1.41
Number of sheets in a budle	72	52	39	31	26	22	19	17	15
Volume of 1 sheet, m3	0.0203	0.0281	0.0375	0.0469	0.0563	0.0656	0.0750	0.0844	0.0938

PACKING INFORMATION. DIMENSIONS 2440x1220x500 mm

Thickness, (mm)	6.5	9	12	15	18	21	24	27	30
Volume of 1 bundle, m ³	1.49	1.50	1.50	1.48	1.50	1.50	1.50	1.53	1.52
Number of sheets in a budle	77	56	42	33	28	24	21	19	17
Volume of 1 sheet, m3	0.0193	0.0268	0.0357	0.0447	0.0536	0.0625	0.0714	0.0804	0.0893

Comparative physical and mechanical indices

ProPly plywood vs. different species veneers



PARAMETER BY GOST**	THICKNESS, mm	PROPLY PLYWOOD FSF PLYWOOD ***	SOFTWOOD FSF PLYWOOD (PINE, FIR, LARCH)	BIRCH PLYWOOD FSF		OTHER HARDWOOD PLYWOOD (POPLAR, ASPEN VENEER)	
Moisture content, %	(3)*4-30	9.8	5-10	5-10	5-10	5-10	5-10
Ultimate shear strength along the glue line, MPa, not less: – after 1 hour in boiling water – after 24 hours soaking in water	(3)*4-30	1.0	1.0	1.5	1.5	0.6	0.6
		1.64	1.0	1.5	1.5	0.6	0.6
Static bending strength along the fibers of face layers, MPa, not less:	9-30	57,3	40	60	55	30	25
Tensile strength along the fiber of face layers, MPa, not less:	(3)*4-6.5	46.6	25	40	30	40	–
Density, kg/m ³	–	514	450	640-700	640-700	390-400	390-400

* for hardwood plywood

** by GOST 3916.2-96, GOST 3916. 1-96

*** Test results in technological laboratory of IB DOC

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