

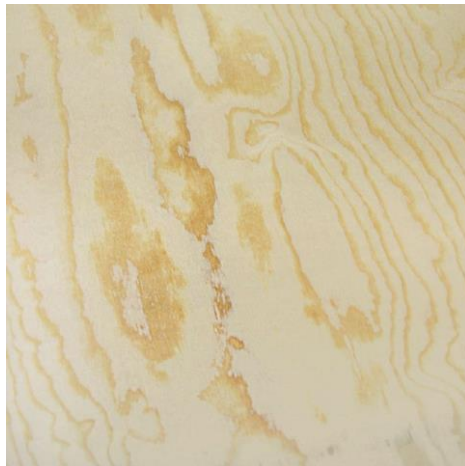


# ProPly Plywood

Siberian Pine and Larch

Made of Siberian 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 314 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 <sup>3</sup>   |
| Moisture content                    | 9.8%                          |



The mark of  
responsible forestry



Siberian 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 <sup>3</sup> | 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 <sup>3</sup> | 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<br>FSF PLYWOOD *** | SOFTWOOD FSF<br>PLYWOOD (PINE,<br>FIR, LARCH) | BIRCH PLYWOOD FSF |         | OTHER HARDWOOD<br>PLYWOOD (POPLAR,<br>ASPEN VENEER) |         |
|---|---------------|-----------------------------------|---|-------------------|---------|---|---------|
|   |               |                                   |   |                   |         |   |         |
| Moisture content, %   | (3)*4-30      | 9.8                               | 5-10  | 5-10              | 5-10    | 5-10  | 5-10    |
| Ultimate shear strength along<br>the glue line, MPa, not less:<br>– after 1 hour in boiling water<br>– after 24 hours soaking<br>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<br>the fibers of face layers, MPa,<br>not less:   | 9-30          | 57,3                              | 40  | 60                | 55      | 30  | 25      |
| Tensile strength along the fiber<br>of face layers, MPa, not less:  | (3)*4-6.5     | 46.6                              | 25  | 40                | 30      | 40  | —       |
| Density, kg/m <sup>3</sup>  | —             | 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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