

# Paged BirchPly

Hardwood plywood with a waterproof bond

High-quality, unfaced hardwood plywood with outer plies made of birch or alder veneer, and inner plies made either of hardwood veneers (homogeneous construction) or a combination of hardwood and softwood (combi construction). It features a waterproof bond and is available in a wide range of formats and thicknesses.

Paged BirchPly offers high load-bearing capacity, excellent stiffness, and an outstanding strength-to-weight ratio. This makes it a reliable choice for demanding applications in construction, automotive industry, and shipbuilding. The properties of this plywood are highly valued by manufacturers of furniture, flooring, windows and doors, packaging, wooden accessories, as well as in interior finishing and fit-out applications.



## > Advantages:



Easy to machine



Low volatile organic compound emissions



High mechanical strength



Ecological manufacturing process



Dimensional stability



Declaration of Performance



Znak odpowiedzialnej gospodarki leśnej

## > Standard formats\* [mm]

1250 x 2500 | 1250 x 3000  
1500 x 2500 | 1500 x 3000 | 1500 x 3300  
2500 x 1250 | 2500 x 1500

\*Non-standard sizes available on request.

## > Industries and applications:



Construction



Transport



Boatbuilding



Furniture



Floor & stairs production



Production of window & door joinery



Packaging



Interior finishing

## > Technical specifications:

|  |                          |
|--|--------------------------|
| <b>Bonding quality class [EN 635-2]</b>      | I, II, III, IV           |
| <b>Reaction to fire class** [EN 13501-1]</b> | D-s2, d0                 |
| <b>Declaration of Performance (DoP)</b>      | Structural plywood; CE2+ |

\*\*without an air gap, for thicknesses of 9 mm and above

› Thickness, number of layers, standard deviations, density [EN 315, EN 323, EN 324]

| Nominal thickness* (mm) | Number of wood layers (pcs) | Minimum deviation from nominal thickness (mm) | Maximum deviation from nominal thickness (mm) | Weight (kg/m <sup>2</sup> ) | Average density** (kg/m <sup>3</sup> ) |
|-------------------------|-----------------------------|---|---|-----------------------------|--|
| 4                       | 3                           | -0.5  | +0.3  | 2.8                         | 640–760                                |
| 6.5                     | 5                           | -0.6  | +0.4  | 4.6                         |  |
| 9                       | 7                           | -0.7  | +0.5  | 6.3                         |  |
| 12                      | 9                           | -0.8  | +0.6  | 8.4                         |  |
| 15                      | 11                          | -0.9  | +0.7  | 10.5                        |  |
| 18                      | 13                          | -0.9  | +0.7  | 12.6                        |  |
| 21                      | 15                          | -1.0  | +0.8  | 14.7                        |  |
| 24                      | 17                          | -1.1  | +0.9  | 16.8                        |  |
| 27                      | 19                          | -1.8  | +1.4  | 18.9                        |  |
| 30                      | 21                          | -1.9  | +1.5  | 21.0                        |  |
| 35                      | 25                          | -1.5  | +1.1  | 24.5                        |  |
| 40                      | 27                          | -1.6  | +1.2  | 28.0                        |  |
| 45                      | 31                          | -1.8  | +1.4  | 31.5                        |  |

\* other thicknesses and custom constructions available on request

\*\* density at 8–12% moisture content

› Characteristic values for bending strength and modulus of elasticity [EN 789:2005, EN 1058:2010]

| Nominal thickness (mm) | Bending strength (MOR) [MPa] | MOE (Modulus of Elasticity) [Mpa] |
|------------------------|------------------------------|-----------------------------------|
| 12                     | II 48.50 ± 34.00             | II 10615 ± 7289                   |
| 15                     | II 38.90 ± 58.40             | II 7866 ± 9377                    |
| 18                     | II 45.80 ± 29.20             | II 8974 ± 5974                    |
| 21                     | II 44.20 ± 30.70             | II 9216 ± 6066                    |

› Characteristic values for bending strength and modulus of elasticity (EN 789:2005, EN 1058:2010) for other plywood thicknesses can be found in the Declaration of Performance (DoP) at [www.pagedplywood.com](http://www.pagedplywood.com)

› Dimensional deviations of plywood [EN 315, EN 324]

| Length / width | Deviation |
|----------------|-----------|
| < 1,000 mm     | ± 1 mm    |
| 1,000–2,000 mm | ± 2 mm    |
| > 2,000 mm     | ± 3 mm    |

› Edge straightness and squareness deviations [EN 315, EN 324]

|                                  |                    |
|----------------------------------|--------------------|
| Edge straightness and squareness | ± 0.1% or ± 1 mm/m |
|----------------------------------|--------------------|

› Standard formats\*\*\* [mm]

|  |
|--|
| 1250 x 2500   1250 x 3000<br>1500 x 2500   1500 x 3000  <br>1500 x 3300<br>2500 x 1250   2500 x 1500 |
|--|

\*\*\*Non-standard sizes available on request.

› Formaldehyde emission class [EN 717-1]

E1

› Bonding quality class [EN 314-2]

CLASS 3

› Processing

- Edge machining
- CNC machining
- Drilling according to customer specifications

› Additional information

1. General Terms of Sale
2. Declaration of Performance
3. Norms and standards
4. Surface classification catalogue for hardwood plywood in accordance with EN 635-2

Scan the QR code or click the link:  
[www.pagedplywood.com](http://www.pagedplywood.com)

**Paged**

P L Y W O O D

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The parameters presented in the technical data sheet have been developed in accordance with the internal standards of PAGED Plywood S.A. and with reference to the requirements of EN 636 and other applicable plywood standards.

## › Packaging

The plywood is stacked on pallets adapted to its dimensions. Depending on customer requirements and the method of transport, bundles are protected with cardboard and secured with strapping. The edges are protected with corner guards. The pallet height is 10–12 cm. Standard bundle heights are 60 cm and 40 cm (without pallet). The average pallet weight is 26–30 kg (except for the 1,500 × 3,000 mm format – approx. 46 kg). Loading is carried out at the plant using forklifts. Trucks collecting the plywood must be suitable for side loading (with a minimum loading width of 2.50 m).

## › Storage

Plywood sheets should be stored in a horizontal position. Do not place the sheets directly on the ground; store them on pallets that are larger than the sheets being stacked. Avoid storing plywood of different sizes, different wood species, or varying water-resistance levels in the same stack. The storage area should protect the plywood from direct exposure to water, excessive humidity, and sharp temperature changes. Plywood should be stored indoors, under controlled air parameters. Air conditioning of storage rooms is essential to balance moisture content and stresses within plywood sheets.

## › Transport

During transport, plywood must be properly secured. Loading and unloading must be done in a way that prevents damage to the sheets. Vehicles transporting plywood should protect the load from water, moisture, and adverse weather conditions. Plywood bundles must be placed horizontally – stacked transport is permitted. Bundles must be secured with straps to prevent shifting during transport. Except for intermodal transport (in containers), plywood is transported using standard truck trailers that allow side unloading. The maximum load is 24 t gross (including packaging). For intermodal transport, higher values may apply.

Product Technical Data Sheet Updated on: 24/02/2026

## › Pallet height



Our standard pack height does not exceed 0.7 m.  
/ Standardowa wysokość paczki nie przekracza 70 cm.  
/ Die Standardhöhe der Packung überschreitet nicht 70 cm.

## › Storage conditions



20±5 °C

Air temperature  
in a warehouse  
/ temperatura powietrza  
w magazynie  
/ Lufttemperatur  
im Lager



40÷65%

Relative humidity  
of air in a warehouse  
/ wilgotność względną  
powietrza w magazynie  
/ Relative Luftfeuchtigkeit  
im Lager

## › Safety

All work must be carried out in accordance with occupational health and safety regulations.

## › Supplementary documents

1. Technical Conditions
2. Plywood Storage Instructions
3. Safety Data Sheet

AVAILABLE ON REQUEST

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