Paged
PLYWOOD

Declaration of Performance

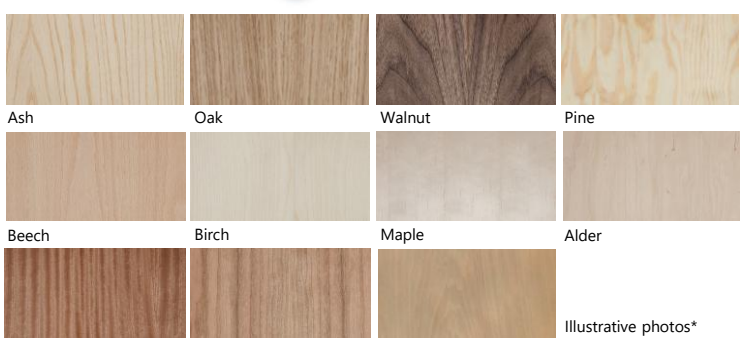
Paged FreePly Nature

Low-emission, decorative, hardwood plywood bonded without formaldehyde, with enhanced moisture resistance, finished with natural veneer

Paged FreePly Nature is an innovative decorative hardwood plywood manufactured using **formaldehyde-free adhesive.** The offer of outer layer includes natural veneers such as: **ash, oak, walnut, pine, beech, birch, maple, alder, sapele, cherry, anegre**. Thanks to its structure, this plywood can be used in conditions of increased humidity.

The product is ideal for the transport industry (camper interiors), furniture industry (children's furniture, kitchen furniture, case furniture), small decorative items, and the packaging sector. It is also suitable for the marketing sector, for building trade fair stands and display units.

Paged FreePly Nature plywood, due to its reduced VOC emissions, has been designed for indoor spaces where environmental safety and high air quality are essential. It will therefore be an ideal decorative solution for wall panelling in offices and residential interiors.



Illustrative photos*

› Advantages:

- Formaldehyde-free adhesive
- Bonding class
- Low volatile organic compound emissions
- Attractive appearance
- Safe product
- Environmental friendly product
- Natural veneer
- Dimensional stability

› Standard formats** [mm]

2500 x 1250

**Other formats available on request.

› Industries and applications:

- Children's furniture
- Kitchen furniture
- Interior & decoration
- Furniture
- Equipment for caravans and campers
- Interior finishing
- Packaging

› Technical specifications:

Fire reaction class* **	D-s2, d0
Declaration of Performance (DoP)	Non-structural plywood, CE4
Type of face	Natural veneer
Grain pattern	Mixed (M), straight grain (P), crown-cut grain (F)
Veneer species	Ash (M, F), oak (M, P, F), walnut (M), pine (M, F), beech (M), birch (M), maple (M), alder (M), sapele (M), cherry (M), anegre (M).

*Illustrative photos. As with any natural wood product, veneers may exhibit, among others: colour variations, irregular grain patterns, natural streaks, stains, knots of various sizes, lustre, sapwood, and heartwood. These and many other differences or imperfections in veneers result from the natural origin of the raw material.

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

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

Nominal thickness* (mm)	Number of plies (pcs)	Minimum deviation from nominal thickness (mm)	Maximum deviation from nominal thickness (mm)	Weight (kg/m2)	Density avg.** (kg/m3)
4	3	-0,4	+0,4	2,8	640–760
5	4	-0,4	+0,4	3,5	
6	4	-0,4	+0,4	4,2	
8	6	-0,4	+0,4	5,6	
9	7	-0,4	+0,4	6,3	
10	7	-0,4	+0,4	6,3	
11	8	-0,4	+0,4	7,0	
12	9	-0,4	+0,4	8,4	
13	9	-0,4	+0,4	9,1	
15	11	-0,6	+0,6	10,5	
16	11	-0,6	+0,6	11,2	
18	13	-0,6	+0,6	12,6	
19	13	-0,6	+0,6	13,3	
21	15	-0,6	+0,6	14,7	
30	21	-0,8	+0,8	21,0	

* other thicknesses and custom constructions available on request
** density at 8–12% moisture content
The standard thickness of the natural veneer is 0.5-0.55 mm.

› 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]

Straightness and squareness	± 0.1% or ± 1 mm/m

› Standard formats*** [mm]

2500 x 1250

***Other formats available on request.

› Formaldehyde emission class [EN 717-1]

E1

› Bonding quality class [EN 314-2]

CLASS 2

› 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. Classification Catalogue for Surfaces of Plywood and Blockboard in Natural Veneers

Scan the QR code or click the link: www.pagedplywood.com.

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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 secured with cardboard and strapped with tape. 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. 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

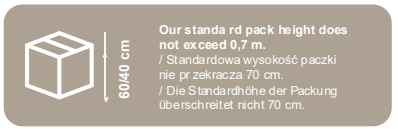
Plywood sheets should be stored in a horizontal position. Do not place the sheets directly on the ground; store them on pallets that are larger than the sheets being stacked. Avoid storing plywood of different sizes, different wood species, or varying water-resistance levels in the same stack. The storage 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

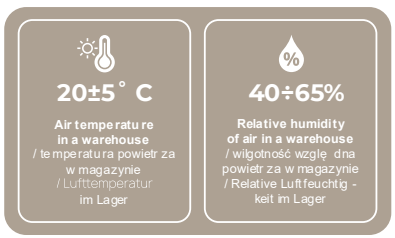
During transport, plywood must be properly secured. Loading and unloading must be done in a way that prevents damage to the sheets. Vehicles transporting plywood should protect the load from water, moisture, and adverse weather conditions. Plywood bundles must be placed horizontally – stacked transport 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: 25 November 2025

› Pallet height



› Storage conditions



› Safety

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

› Supplementary documents

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

AVAILABLE ON REQUEST

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The above data, recommendations, and guidance are based on our best knowledge, research, and experience, and have been provided in good faith, in accordance with the standards followed by our company and our suppliers. The proposed methods of application are considered common practice; however, each user of this material should ensure by all possible means (including verification of the final product under appropriate conditions) the suitability of the supplied materials for achieving their intended purpose. Neither the company nor its authorised representatives can be held liable for any losses resulting from improper or incorrect use of its materials.