Paged
PLYWOOD

Fire reaction class B-s1,d0 [EN 13501-1]

Fire reaction class Bfl-s1 [EN 13501-1]

Declaration of Performance

CARB EPA

EPD Verified

PEFC

FSC www.fsc.org FSC® C010283

Znak odpowiedzialnej gospodarki leśnej

Paged Softwood ThinPly FR

Fire-retardant thin-ply softwood plywood

Fire-retardant thin-ply pine plywood meeting the highest fire reaction class for wood-based materials, B-s1,d0, and also available in class B_{fl}-s1.

Fire-retardant impregnation inhibits the spread of fire, without blocking gas flow, ensuring the plywood remains vapour-permeable.

Paged Softwood ThinPly FR is a ready-to-use product suitable for use as a structural panel for walls, ceilings, and floors. It is dimensionally stable, lightweight, and strong, which ensures comfortable handling.

Paged Softwood ThinPly FR provides safe sheathing for a variety of structures in interior applications.

› Advantages:

- Fire resistance
- High strength
- Ecological manufacturing process
- Dimensional stability
- Easy to machine

› Standard formats* [mm]

2500 x 1250 | 2500 x 1500
1250 x 3000 | 1500 x 3000****

*Non-standard sizes available on request.
**This format is only available in thicknesses of 12–24 mm.

› Industries and applications:

- Construction
- Ceiling sheating
- Floor sheating
- Wall sheating
- Wall panelling
- Car transports
- Versatile use

› Technical specifications:

Quality class [EN 635-3]	I, II, III
Reaction to fire class [EN 13501-1]	B-s1, d0 | B_{fl}-s1
Declaration of performance	Structural plywood; CE1
Type of fire retardancy	Fire-retardant impregnating agent

IMPORTANT! Any modification of the product through independent mechanical processing, painting, veneering, etc., requires re-certification.
Please refer to the instructions for handling fire-retardant plywood available at www.pagedplywood.com.

› 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/m2)	Average density* (kg/m3)
9	7	-0.7	+0.5	6.3	650–750
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	

*density at 8–12% moisture content
Thickness range for B-s1, d0 12–30 mm.

› Characteristic values for bending strength and modulus of elasticity [EN 636]

Nominal thickness (mm)	Bending strength (MOR) [MPa]	MOE (Modulus of Elasticity) [MPa]
12	II 52.00 ⊥ 45.00	II 7200 ⊥ 4500
15	II 52.00 ⊥ 45.00	II 6300 ⊥ 4500
18	II 52.00 ⊥ 45.00	II 6300 ⊥ 4500
21	II 52.00 ⊥ 30.00	II 6300 ⊥ 4500

> 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

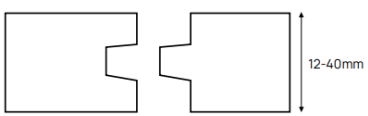
› Dimensional deviations of plywood [EN 315, EN 324]

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

› Also available in a tongue-and-groove option.



› Standard formats** [mm]

2500 x 1250 | 2500 x 1500
1250 x 3000* | 1500 x 3000***

**Non-standard sizes available on request.
***This format is only available in thicknesses of 12–24 mm.

› Formaldehyde emission class [EN 717-1]

E1 REACH 05

› 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

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

Paged
PLYWOOD

PAGED Plywood S.A.
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14-300 Morąg, Poland

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+48 87 425 48 00

pagedplywood.com

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

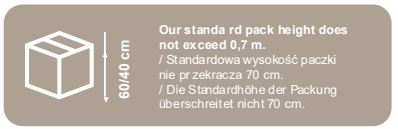
Plywood sheets should be stored in a horizontal position. Do not place the sheets directly on the ground; store them on pallets that are larger than the sheets being stacked. Avoid storing plywood of different sizes, different wood species, or varying water-resistance levels in the same stack. The storage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

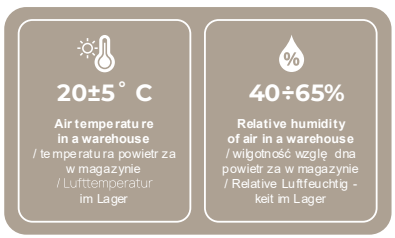
During transport, plywood must be properly secured. Loading and unloading must be done in a way that prevents damage to the sheets. Vehicles transporting plywood should protect the load from water, moisture, and adverse weather conditions. Plywood bundles must be placed horizontally – stacked transport 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: 20/10/2026

› Pallet height



› Storage conditions



› Safety

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

› Supplementary documents

1. Instructions for Handling FR Plywood
2. Technical Conditions
3. Plywood Storage Instructions
4. Safety Data Sheet

AVAILABLE ON REQUEST

PAGED Plywood S.A.
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pagedplywood.com

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.