

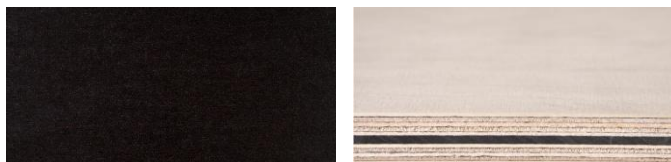
Paged Phon FR

Composite panel made of hardwood plywood and a rubber sound-damping layer

Multi-layer hardwood composite panel constructed from premium plywood with a specialised rubber sound-damping layer. This unique construction provides superior acoustic insulation and dampens vibrations transmitted from the chassis or vehicle structure. The damping layer is positioned symmetrically in the centre of the panel. It is made from a special rubber that dampens vibrations and reduces the sound intensity generated, for example, by engine operation, changes in steel dimensions, or rolling friction.

It is available in a double-sided impregnated version (birch product), as well as in double-sided or single-sided film-faced versions (birch or beech product), allowing for a precise match to various design requirements.

Paged Phon FR meets rigorous fire safety standards, achieving an HL3 rating under the R10 classification.



> Advantages:



> Standard formats* [mm]

1250 x 2500 | 1500 x 2500
1500 x 3000

*Non-standard sizes available on request.

> Industries and applications:



Transport



Railway



Special applications



Versatile use

> Technical specifications:

	Double-sided impregnation	Double-sided phenolic film	Impregnation on one side, film on the other
Type of raw material	Birch	Beech Birch	
Quality class [EN 635-3]	II, III	F/F***	F/II***
Reaction to fire class [EN 45545-2]	HL3 (R10)		
Type of face	Fire retardant impregnating agent	Phenolic film	Phenolic film / Fire- retardant impregnating agent
Base weight:	n/a	220 g/m ²	
Colour	n/a	Black Dark brown	

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.

***in accordance with the surface classification catalogue for film-faced plywood available at www.pagedplywood.com.

BIRCH-BASED PRODUCT

> 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 ²)	Average density* (kg/m ³)
15	10	-0.9	+0.7	15.5	920–1150
16	10	-0.9	+0.7	16.6	
19	12	-1.0	+0.8	19.7	
21	14	-1.0	+0.8	21.7	
23	16	-1.1	+0.9	23.8	
27	18	-1.8	1.4	27.9	

* average density at 8–12% moisture content

BEECH-BASED PRODUCT

> 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 ²)	Average density* (kg/m ³)
15	10	-0.9	+0.7	16.3	920–1250
16	10	-0.9	+0.7	17.4	
19	12	-1.0	+0.8	20.6	
21	14	-1.0	+0.8	22.8	
23	16	-1.1	+0.9	25.0	
27	18	-1.8	1.4	29.3	

* average density at 8–12% moisture content

> Dimensional tolerances 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
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> Sound insulation [PN-EN ISO 10140-2:2011]

Product	Sound insulation R
Paged Phon FR 15 mm (birch)	32 dB
Paged Phon 19 mm (beech)	33 dB

> Standard formats*** [mm]

1250 x 2500 1500 x 2500 1500 x 3000
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***Non-standard sizes available on request.

> Formaldehyde emission class [EN 717-1]



> Bonding quality class [EN 314-2]



> Processing

- Edge machining
- CNC machining
- Hole drilling according to customer specifications
- Cut-to-size service

> Additional information

1. General Terms of Sale
2. Declaration of Performance
3. Norms and standards
4. Surface classification catalogue for film-faced plywood

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

Paged

P L Y W O O D

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› 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: 21/04/2026.

› 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 wzgl. dla
powietrza w magazynie
/ Relative Luftfeuch-
tigkeit im Lager

› 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

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