



Fire Hazard Level
HL3 [EN 45545-2]



Application group
R10 [EN 45545-2]



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



E20 118RII
homology



Declaration
of Performance



Znak odpowiedzialnej
gospodarki leśnej

Paged Mesh FR

Hardwood plywood with anti-slip phenolic film, fire-resistant

Fire-retardant thin-layer hardwood plywood, faced with anti-slip phenolic film. Its special mesh-embossed film provides good abrasion resistance, ensuring a long service life. At the same time, it stands out for its excellent anti-slip properties.

Paged Mesh FR plywood is manufactured for flooring applications in structural elements in accordance with EN 13501-1 and meets the highest fire hazard level, HL3, in application group R10 in accordance with the railway standard EN 45545-2.

The plywood is manufactured with a waterproof bond, in a cross-banded construction. Inner plies may consist of hardwood veneers (homogeneous) or a mix of hardwood and softwood (combi).

For applications with higher durability requirements, it is possible to design and select a customised panel construction.



> Advantages:



Fire resistance



High strength and
wear resistance



Anti-slip



Abrasion resistance



Ecological
manufacturing
process



Dimensional
stability

> Standard formats* [mm]

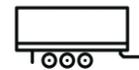
1250 x 2500 | 1500 x 2500
1500 x 3000

*Other formats available on request.

> Industries and applications:



Car transports



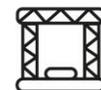
Truck trailers



Car bodies
up to 3.5 T



Industrial and
warehouse floors



Stage platforms
and floors



Buses



Railway



Versatile use

> Technical specifications:

Reaction to fire classification [EN 45545-2]	HL3 (R10)
Reaction to fire classification [EN 13501-1]	B _{f1} -s1
Declaration of Performance (DoP)	Structural plywood; CE2+
Type of coating	Phenolic film
Base weight	220 g/m ²
Colour	Black Dark brown
Slip resistance rating [EN 16165 (DIN 51130)]	R10
Taber test [EN 438-2]	600
Rolling test [SS 923508]	1800 ± 35%

NOTE! If the product is modified by cutting into smaller formats, etc., the product requires re-sealing of the edges.

The product is available in the following versions: N/F, N/N, N/H.

› 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/m ²)	Density avg.** (kg/m ³)
9	7	-0,7	+0,5	6,3	640-760
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	

* 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]
21	II 44,20 ± 30,70	II 9216 ± 6066
24	II 41,20 ± 45,40	II 9274 ± 9349
27	II 36,90 ± 37,10	II 9349 ± 7823
30	II 44,70 ± 45,00	II 10163 ± 8707

› 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
< 1000 mm	± 1 mm
1000 – 2000 mm	± 2 mm
> 2000 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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› Standard formats***** [mm]

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

*****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
- 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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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 (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: 06/03/2026

> 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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