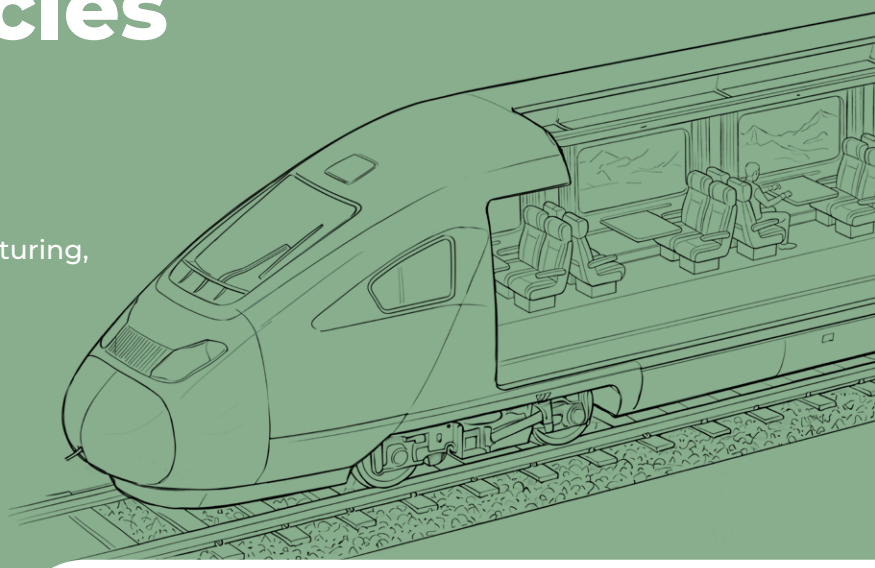
Paged Plywood for

Railway Engineering and Rail Vehicles

Paged PLYWOOD



01 A EUROPEAN BRAND. GLOBAL REACH.

- 110 years of experience in plywood manufacturing,
- European production
- Raw materials from the Baltic Sea region
- Global presence and experience in the transportation industry
- FSC(R) or PEFC-certified sources of raw materials

02 COMPLIANCE WITH RAILWAY ENGINEERING REQUIREMENTS.

- EN 45545-2 – Fire safety requirements for rail vehicles
- HL3 – R10: floor systems
- HL2 – R1: walls, doors, ceilings, luggage compartments
- HL2 – R7: sleeper seat and bed base panels; air ducts
- FR (fire-retardant) solutions for the most demanding railway applications

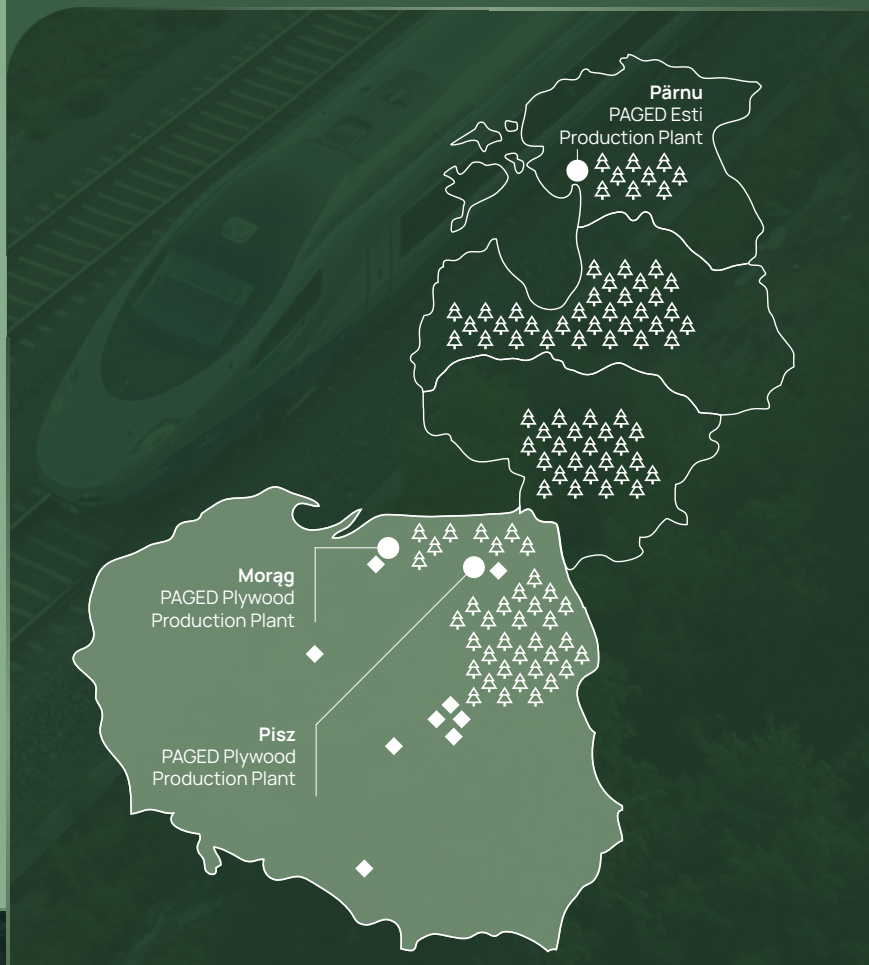
03 COMPREHENSIVE OFFER FOR RAIL VEHICLES.

- Flooring – safety, durability, slip-resistant surfaces
- Walls, doors, and ceilings – structural and non-combustible solutions
- Interior and fittings - Interior trim and luggage compartments
- Passenger comfort – vibration damping and sound insulation
- One partner – many solutions: BirchPly FR · Mesh FR · Hexa FR · Master Form FR · Phon FR

Polish manufacturing. European reach. Global experience.

Raw material shipments from: Poland, Lithuania, Latvia, and Estonia.

Raw material independence, in-house production, and in-house research and development capabilities.



Product classification

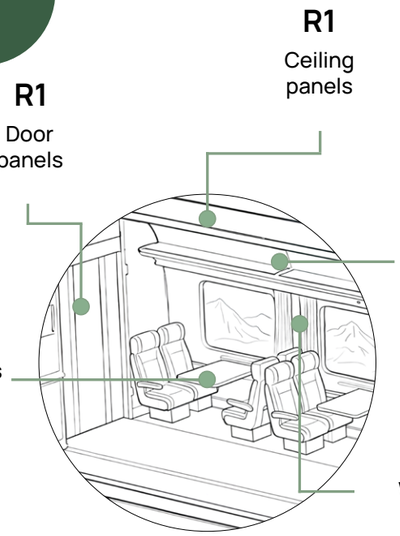
- Compliance with fire safety regulations

In accordance with EN 45545-2 requirements

R1/R2/R7 requirements

Fire hazard level HL2

- Paged BirchPly FR



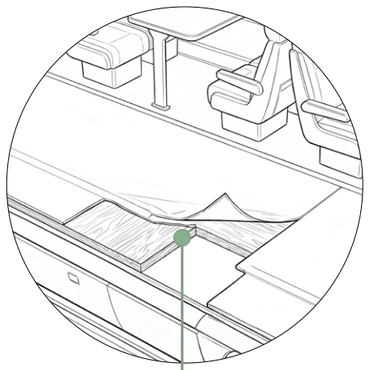
R7

Sleeper seat and bed base panels; air ducts

R10 requirements

Fire hazard level HL3

- Paged Phon FR
- Paged BirchPly FR
- Paged Mesh FR
- Paged Master Form FR
- Paged Hexa FR



Flooring systems

Maximum safety - Paged's flame-retardant plywood for railway applications meets the highest fire hazard classification requirements. Depending on the classification, it achieves Hazard Level 3 (HL3) in R10, and Hazard Level 2 (HL2) in R1 and R7. It can be used, for example, in sleeping cars and in rail vehicles operating in tunnels without emergency evacuation facilities.

Paged
PLYWOOD

Product classification - Compliance with fire safety regulations

In accordance with the EN 45545-2 requirements

Paged BirchPly FR

Fire hazard level

HL3	HL2
R10	R1, R2, R7

Density

640-760 kg/m³ | 720-880 kg/m³

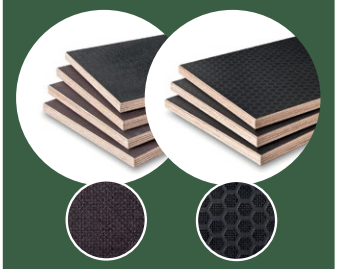
Thickness

9-35 mm | 12-30 mm

Standard sizes

1250×2500 mm
1500×2500 mm
1500×3000 mm

Paged Mesh FR / Hexa FR



Fire hazard level

HL3

R10

Density

640-760 kg/m³

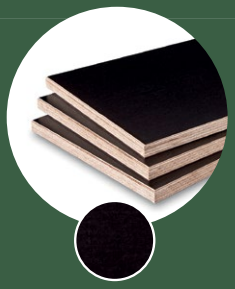
Thickness

9-30 mm

Standard sizes

1250/1500×2500 mm
1500×3000 mm

Paged Master Form FR



Fire hazard level

HL3

R10

Density

720-880 kg/m³ (beech wood)
640-760 kg/m³ (hardwood)

Thickness

9-30 mm (beech wood)
9-24 mm (hardwood)

Standard sizes

1250/1500×2500 mm (beech wood)
1250/1500×2500 mm
1250/1500×3000 mm
1500×3300 mm (hardwood)

Paged Phon FR

Fire hazard level

HL3

R10

Density

920-1250 kg/m³ (beech wood)
920-1150 kg/m³ (hardwood)

Thickness

15-25 mm (beech wood & hardwood)

Standard sizes

1250/1500×2500 mm
1500×3000 mm
(beech wood & hardwood)

Comparison of products	Paged Phon FR	Paged BirchPly FR	Paged Mesh FR / Hexa FR	Paged Master Form FR
Fire hazard level and R requirement	HL3 (R10)	HL3 (R10) HL2 (R1, R2, R7)	HL3 (R10)	HL3 (R10)
Density (kg/m³)	920-1250 kg/m³ (beech wood) 920-1150 kg/m³ (hardwood)	640-760 kg/m³ (R10) 720-880 kg/m³ (R1, R2, R7)	640-760 kg/m³	720-880 kg/m³ (beech wood) 640-760 kg/m³ (hardwood)
Sound insulation	up to 33 db	approx. 27 db	approx. 27 db	approx. 27 db
Optional film-facing	NO - the side being filmed YES - waterproofed side	YES	NO	NO - the side being filmed YES - waterproofed side
Mechanical strength	8	8	9	10 (beech wood) 9 (hardwood)
Moisture-proofing	NO - film-faced side YES - waterproofed side	NO	YES	NO - film-faced side YES - waterproofed side
Dimensional stability	7 (beech wood) 8 (hardwood)	8	8	7 (beech wood) 8 (hardwood)
Biological stability	9 (film-faced side) 8 (waterproofed side)	8	9	9 (film-faced side) 8 (waterproofed side)
Machining precision	10 (beech wood) 9 (hardwood)	9	9	10 (beech wood) 9 (hardwood)

The assessment used a 10-point rating scale, with a higher score indicating a higher level of the parameter being assessed.
The following interpretation of the ratings was assumed on that scale: 7 – good, 8 – very good, 9 – superior, 10 – excellent.

Contact form

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