

Construction & Transportation
Industry



Fire Retardant Products.

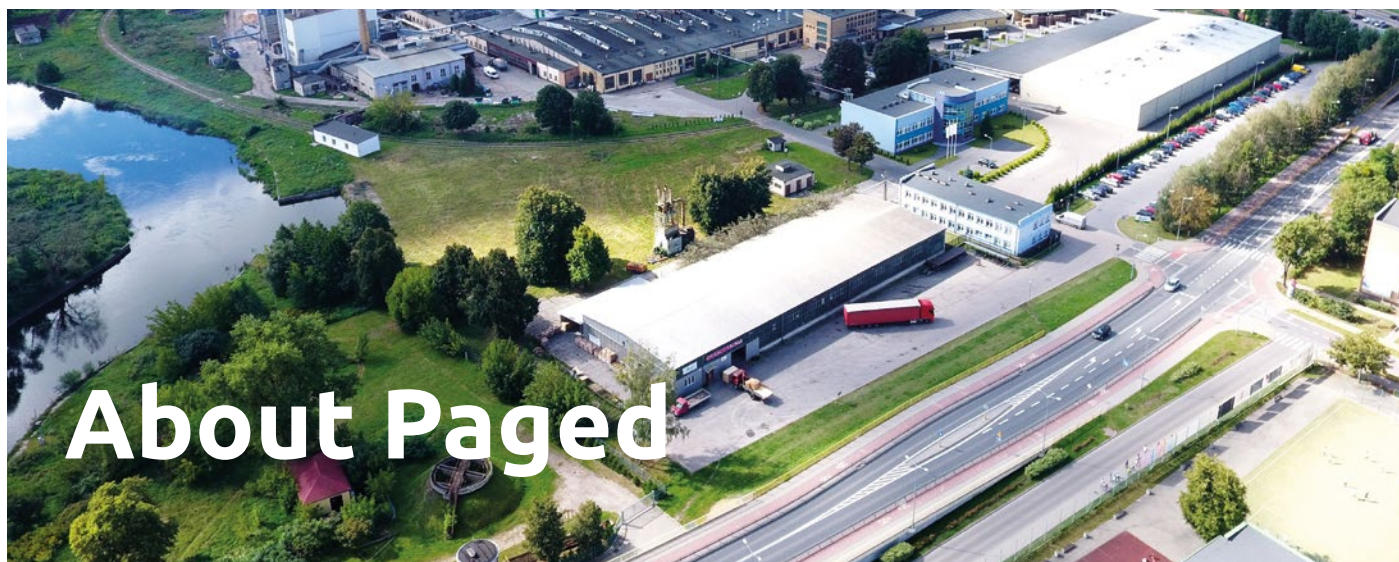
Synergy of Nature & Technology.

Paged

Sklejka

Fire Retardant Products

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We have great pleasure to present plywood factories „PAGED SKLEJKA S.A.” and „SKLEJKA- PISZ” PAGED S.A. which belong to PAGED group. PAGED Group is a leading manufacturer of plywood in Central Europ with a capacity of 250,000 cubic meters yearly. For over sixty years we have been manufacturing plywood in wide spectrum of its forms - from standard plywood panels, throughout film faced plywood, polipropylen, decorative plywood, plywood for laser cutting, plywood with aluminum and cork insert, boatbuilding plywood, panelling plywood plywood strips for bed frames, blockboards to complicated three-dimensional moulded pieces, finished to highest standards in modern CNC centres. We are the sole producer in Poland and one of the very few in the world of two special products: transformer plywood with a brand name ELKON® and wood polymer composite – COMPREG, which favour by high physical and mechanical properties. Our production is based on RAUTE WOOD technology. We offer many solutions for building and transport industry, furniture and many others where we can supply our goods. Our products are made of material gain from good management forest. Mainly from northeastern Poland and coast of Baltic Sea. We manufacture plywood from birch, alder, beech and pine. In case of softwood we use high quality species of pine "pinus sylvestris" mainly coming from the Mazuria

Forests (northeastern Poland). Most of our products are certificated by FSC and PEFC. We have got certificated Quality Managment System acc. to standard ISO 9001, Environment – ISO 14001, Health and Safety – PN-N 18001. Mission of our company is to provide high quality of our products, which are guaranteed by over sixty years of our organization experience, by high skills of our staff and the newest technologies used in production process. We guarantee you high quality of our goods, and give a lot of attention to ecological aspects of our performance. We have been working all the time on reducing our factory's influence on the environment. It is for shure that our goods are solid and foolproof investments, on which you and your clients can relay. We want to create the most common solutions in the wood industry and provide products which are created according to ecological requirements and business ethics.

Welcome!



The mark of
responsible forestry

Please ask about
certified products



Paged fire retardant plywood

Being a leader in the development of plywood technologies in Central and Eastern Europe we created a family of fire retardant plywood „PAGED Plywood FR - Fire retardant“. This kind of plywood provides spread-of-flame protection and thus it is used mainly in:

Building

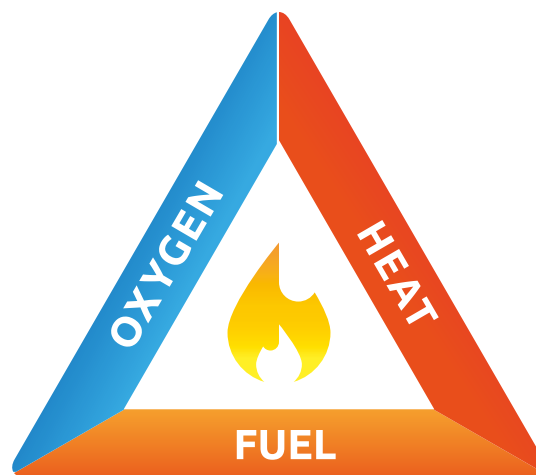
Road Transport (buses and trucks)

Railroad Industry

PAGED Plywood FR was created to extend safety of your building, this helps you to save people lives and constructions. Due to the strength, fire resistance, durability, screw holding, and dimensional stability, lightness, Stiffness and eco-friendly – PAGED Plywood FR is the best fire retardant solution for most of the construction applications.

The group of plywood PAGED Plywood FR possesses the certificates required for its aforementioned application. Our plywood is protected with special preparation the role of which is: spread-of-flame protection, elimination of smoke and the so-called burning droplets. Thereby PAGED Plywood FR which we offer makes a building or a vehicle made with its application more durable and safe and thus guarantees safety of the persons in the buildings and vehicles on fire – allowing their safe evacuation.

The risk of death and serious injuries due to fires is very high. Only in Europe 4 thousand people each year lose their lives in fires and the costs related to these incidents exceed 130 billion Euro. Therefore the use of proper products - PAGED Plywood FR is a key factor in life and health protection.



Fires occur due to the combination of: flammable fuel e.g. wood, access of air and high temperature. The use of PAGED Plywood FR eliminates the „flammable fuel“ substituting it with the owing to which the risk of fire occurrence and spreading is limited. The use of PAGED Plywood FR makes it possible to reduce the application

of expensive and extremely heavy inflammable products such as steel or plaster. Owing to the use of PAGED Plywood FR, a constructed building or a bus will be safe, cheap and, which is also significant, definitely lighter than those in which steel or plaster were used.

Credentials

The certificates and approvals presented below confirm the fact that the plywood offered by PAGED Group comply with very strict safety standards and may be well used in: building, railway industry and road transport.

Certificates of Factory Production Control CE2+ & CE1



Comprehensive classification reports for plywood intended for railway. According to EN 45545-2

Homologations including Homologation Certificate (type / part) E20 118RII-02 for plywood.



Fire Retardant

Construction Plywood

Construction Plywood

PAGED Plywood FR for building applications meets the requirements of EN 13501-1 and allows you to obtain the Building Fire Protection Certificate required by Fire Safety Inspection.

The use of products that meet the products fire resistance standard of EN 13501-1 increases the safety of users and its use is necessary in the of public buildings, i.e.:

- **Schools**
- **Hotels**
- **Bars & Restaurants**
- **Sports stadiums**
- **Theaters**
- **Multi-family homes**
- **Museums**
- **Airports**
- **Malls**
- **Hospitals**

European Fire Classification Standard are described in the EU standard EN 13501-1 which describe reaction to fire for main construction products.

This standard describes a number of performance criteria to measure the fire characteristics of building products. These criteria have been divided into:

- **spread of flame**
- **contribution to fire**
- **generation of smoke**
- **production of burning droplets**

All products are divided in relations to their end use application:

- **construction products**
- **flooring**
- **linear pipe thermal insulation products.**

Products for building construction applications are classified according to Euroclasses A1, A2, B, C, D, E, F. Flooring products are classified according to the same classes and followe by the symbol „FL” - flooring

Fire retardant products for construction use requires certificate according to EN 13501-1.

Explanation of the classification:

The non-flammable class is denoted by Letter A-F and Symbols s1, s2, s3; d1, d2, d3 where:

- Class of non-flammable building material designated with the letters A1, A2, B, C, D, E, F.
The letter designating the class can be found with the index fl meaning class of material for floor applications.
- Smoke class symbol (s eng. Smoke), λ - number: 1, 2, 3 - meaning smoke generation level
- Production class of burning drops (d eng. Drops), η - number 0, 1, 2 - indicating the number of burning drops; not applicable to material classes with index fl.

Additional classes for smoke development

(s1, s2, s3)

s1 little or no smoke generation

s2 medium smoke generation

s3 heavy smoke generation

Additional classes for burning droplets

(d0, d1, d2)

d0 no droplets within 600 seconds

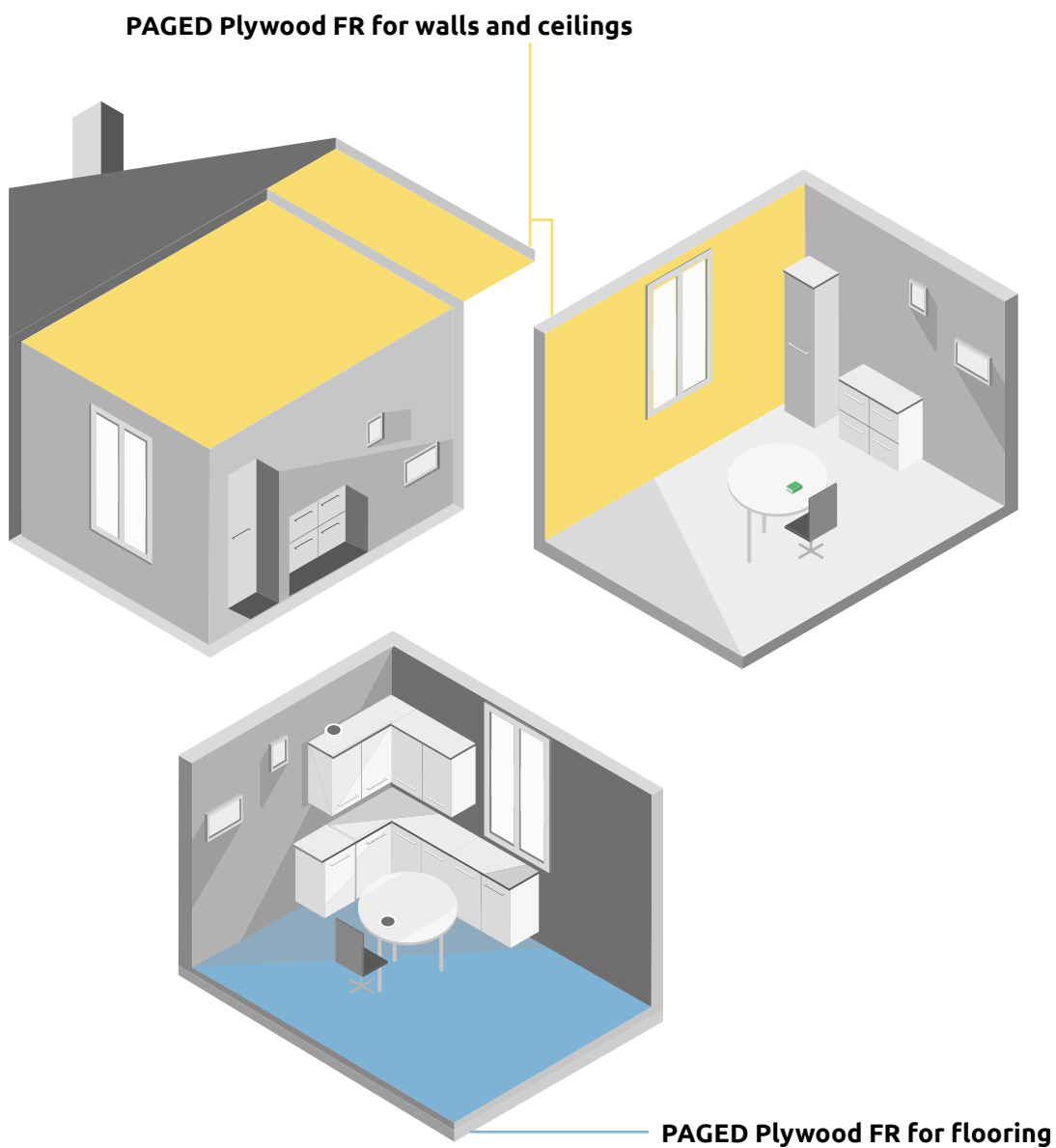
d1 droplet form within 600 seconds but do not burn for more than 10 seconds

d2 not as d0 or d1

Classification according to European Standard EN 13501-1

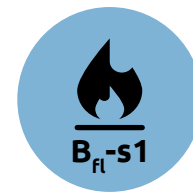
Definition	Construction products			Floorings	
	Fire Classification	Smoke Development Classification	Buring Droplets Classification	Fire Classification	Smoke Development Classification
non-combustible materials	A1	-	-	A _{fl} 1	-
non-combustible materials	A2	s1	d0	A _{fl} 2	s1
			d1		
			d2		
		s2	d0		s2
			d1		
			d2		
		s3	d0		
			d1		
			d2		
combustible materials with very limited contribution to fire	B	s1	d0	B _{fl}	s1
			d1		
			d2		
		s2	d0		s2
			d1		
			d2		
		s3	d0		
			d1		
			d2		
combustible materials – limited contribution to fire	C	s1	d0	C _{fl}	s1
			d1		
			d2		
		s2	d0		s2
			d1		
			d2		
		s3	d0		
			d1		
			d2		
combustible materials – medium contribution to fire	D	s1	d0	D _{fl}	s1
			d1		
			d2		
		s2	d0		s2
			d1		
			d2		
		s3	d0		
			d1		
			d2		
combustible materials – high contribution to fire	E	-	d2	E _{fl}	
combustible materials – easily flammable	F	-	-	F _{fl}	

PAGED Plywood FR for building applications meets two different class regarding area of use:



Hardwood plywood, film faced

B_{fl}-s1 according to EN 13501-1
CE2+ according to EN 13986+A:2015



How to Read Specifications

B - very limited contribution to fire • fl - flooring • s1 - little or no smoke generation
CE2+ - for structural applications

Hardwood cross-grain film faced plywood made of 1.5 mm veneers, overlayed with non-slippery phenolic film. According to certificate guidelines it can be used in public facilities e.g. communication pathways. Produced according to CE2+ system applicable in construction support elements. Used both with or without an air gap.

Type of bonding

Exterior: based on phenol-formaldehyde resin
(acc. to PN-EN 636, technical class EN 636-2).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm
THICKNESS	12-45 mm
DENSITY	640 - 760 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

Mounting methods

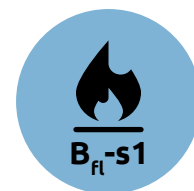
This classification is valid for the following end use conditions: substrates: wood and wood-based panels and substrates of Euroclasses A1 or A2 at least 6 mm thick, having a density ≥ 1800 kg/m³, fixings: mechanically fixed against the substrate or against battens created a void.



PAGED TWIN FR_{fl} FORM

Film faced plywood

B_{fl}-s1 according to EN 13501-1
CE2+ according to EN 13986+A:2015



How to Read Specifications

B - very limited contribution to fire • fl - flooring • s1 - little or no smoke generation
CE2+ - for structural applications

Cross-grained film faced plywood. The internal plies are made of 2.5 - 3.2 mm thick pine veneer; the external plies are made of 1.45 mm thick birch veneer. The structure of the board provides this product with excellent performance properties as compared to a regular plywood board while maintaining much lower weight and good values of the modulus of elasticity and flexural strength.

Type of bonding

Exterior: based on phenol-formaldehyde resin
(acc. to PN-EN 636, technical class EN 636-2).

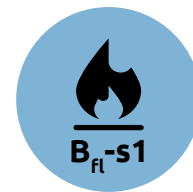
STANDARD SIZES	1250x2500mm, 1220x2440mm
THICKNESS	9-40 mm
DENSITY	550 - 650 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

Mounting methods

This classification is valid for the following end use conditions: substrates: wood and wood-based panels and substrates of Euroclasses A1 or A2 at least 6 mm thick, having a density ≥ 1800 kg/m³, fixings: mechanically fixed against the substrate or against battens created a void.

Raw hardwood plywood

B_{fl}-s1 according to EN 13501-1
CE1 according to EN 13986+A:2015



How to Read Specifications

B - very limited contribution to fire • fl - flooring • s1 - little or no smoke generation
CE1 - for structural applications

Raw hardwood plywood composed of 1.5 mm veneers impregnated with resistant to burning retardant. According to certificate guidelines it can be used in public facilities places such as communication pathways. Produced in CE1 system to apply in construction support elements.

Type of bonding

Exterior: based on phenol-formaldehyde resin
(acc. to PN-EN 636, technical class EN 636-2).

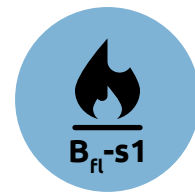
STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm
THICKNESS	12-45 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	640 - 760 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

Mounting methods

This classification is valid for the following end use conditions: substrates: wood and wood-based panels and substrates of Euroclasses A1 or A2 at least 6 mm thick, having a density ≥ 1800 kg/m³, fixings: mechanically fixed against the substrate or against battens created a void.

Paged FR_{fl} Softwood

B_{fl}-s1 according to EN 13501-1
CE1 according to EN 13986+A:2015



How to Read Specifications

B - very limited contribution to fire • fl - flooring • s1 - little or no smoke generation
CE1 - for structural applications

Thick-layered cross-grained softwood plywood. All plies are made of 2.5 - 3.2 mm thick pine veneer, depending on the board thickness. The structure of the board provides this product with excellent performance properties as compared to a regular plywood board while maintaining much lower weight and good values of the modulus of elasticity and flexural strength.

Type of bonding

Exterior: based on phenol-formaldehyde resin
(acc. to PN-EN 636, technical class EN 636-2).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm
THICKNESS	9-40 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	500 - 560 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

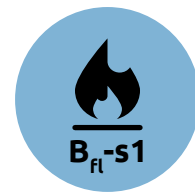
Mounting methods

This classification is valid for the following end use conditions: substrates: wood and wood-based panels and substrates of Euroclasses A1 or A2 at least 6 mm thick, having a density ≥ 1800 kg/m³, fixings: mechanically fixed against the substrate or against battens created a void.

Paged FR_{fl} Softwood+

B_{fl}-s1 according to EN 13501-1

CE1 according to EN 13986+A:2015



How to Read Specifications

B - very limited contribution to fire • fl - flooring • s1 - little or no smoke generation
CE1 - for structural applications

Softwood plywood with pine face veneer (external plies). Depending on the plywood type, the internal plies are softwood or hardwood (or both types) veneers arranged symmetrically in relation to the central ply.. The pine wood used for the production of plywood is the high quality „pinus sylvestris“ pine wood which is mostly supplied from the Masurian forests.

Type of bonding

Exterior: based on melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm
THICKNESS	9-45 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	570 - 720 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 2
BIOLOGICAL DURABILITY	use class 2

Mounting methods

This classification is valid for the following end use conditions: substrates: wood and wood-based panels and substrates of Euroclasses A1 or A2 at least 6 mm thick, having a density ≥ 1800 kg/m³, fixings: mechanically fixed against the substrate or against battens created a void.

Raw hardwood plywood

B-s1, d0 according to EN 13501-1
CE1 according to EN 13986+A:2015



How to Read Specifications

B - very limited contribution to fire • s1 - little or no smoke generation
d0 - no droplets within 600 seconds • CE1 - for structural applications

Hardwood cross grain plywood composed of 1.5 mm veneers. Layers impregnated with resistant to burning retardant. According to the certificate guidelines it can be used in public facility places such as communication pathways. Specially designed for construction elements as walls and ceilings. It is also a perfect base for overlaying with natural wood like veneers. Produced in CE1 system apply to structural components.

Type of bonding

Exterior: based on melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm*
THICKNESS	12-30 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	720 - 880 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

* for 12-24 mm thickness

Mounting methods

This classification is valid for the following end use conditions: mounted on gypsum plasterboard as substrate or any non-combustible substrate of Euroclasses A1 or A2-s1, d0 (concrete, steel, non-combustible boards etc.) with thickness ≥ 12 mm and a density ≥ 525 kg/m³, horizontal and vertical joints, with or without a void, mechanically fixed (nails, screws etc.) directly against the substrate or with a void (void created by wooden battens or non-combustible battens creating an airgap of 40 mm), with horizontal and/or vertical joints.



Paged FR Softwood

B-s1, d0 according to EN 13501-1
CE1 according to EN 13986+A:2015



How to Read Specifications

B - very limited contribution to fire • s1 - little or no smoke generation
d0 - no droplets within 600 seconds • CE1 - for structural applications

Raw softwood thick-ply pine cross grain plywood composed of 2.5 - 3.2 mm veneers. Layers impregnated with anti-burning retardant. According to certificate guidelines it can be used as an element in construction industry like walls, panels, sheathings for structural indoor housings where overlaying is not required. Produced in CE1 system apply to structural components.

Type of bonding

Exterior: based on phenol-formaldehyde resin
(acc. to PN-EN 636, technical class EN 636-2).

STANDARD SIZES	1250x2500 mm, 1220x2440 mm
THICKNESS	12-45 mm
QUALITY CLASSES	III, IV PN-EN 635-3
DENSITY	550-700 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

Mounting methods

This classification is valid for the following end use conditions: mechanically fixed on metal substructure mounted on gypsum plasterboard (thickness 12 mm +/- 0.5 mm, density 700 kg/m³ +/- 100 kg/m³) as substrate or any non combustile substrate of Euroclasses A1 or A2-s1, d0 with a distance ≥ 40 mm, with a ventilated cavity behind it, with horizontal and/or vertical joints.

Paged FR Softwood+

B-s1, d0 according to EN 13501-1
CE1 according to EN 13986+A:2015



How to Read Specifications

B - very limited contribution to fire • s1 - little or no smoke generation
d0 - no droplets within 600 seconds • CE1 - for structural applications

Raw softwood pine cross grain plywood composed of 1.5 mm veneers. Layers impregnated with anti-burning retardant. According to the certificate guidelines it can be used in public facility places such as communication pathways. Specially designed for construction elements as walls and ceilings. It is also a perfect base for overlaying with natural wood like veneers. Produced in CE1 system apply to structural components.

Type of bonding

Exterior: based on melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm
THICKNESS	12-30 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	570 - 720 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

Mounting methods

This classification is valid for the following end use conditions: mechanically fixed on metal substructure mounted on gypsum plasterboard (thickness 12 mm +/- 0.5 mm, density 700 kg/m³ +/-100 kg/m³) as substrate or any non combustile substrate of Euroclasses A1 or A2-s1, d0 with a distance ≥ 40 mm, with a ventilated cavity behind it, with horizontal and/or vertical joints.

Fire Retardant

Railway Transportation Plywood

PAGED Plywood FR for Railroad Industry applications meets the requirements:

EN 45545-2 defines a classification system that specifies requirements for fire behavior of materials and products used in trains. The system has been prepared by Technical Committee CEN/TC 256 “Railway applications” on behalf of the European Commission and is based on the requirements of the EU Directive 2008/57/EC.

EN 45545-2 classifies all material on board in different groups which have to fulfill specific “Requirement Sets” which often includes several test methods.

Standard EN 45545-2 clarify the risk of ignitability, control its speed and extinguishing, as well as minimize damage that products generated during the fire.

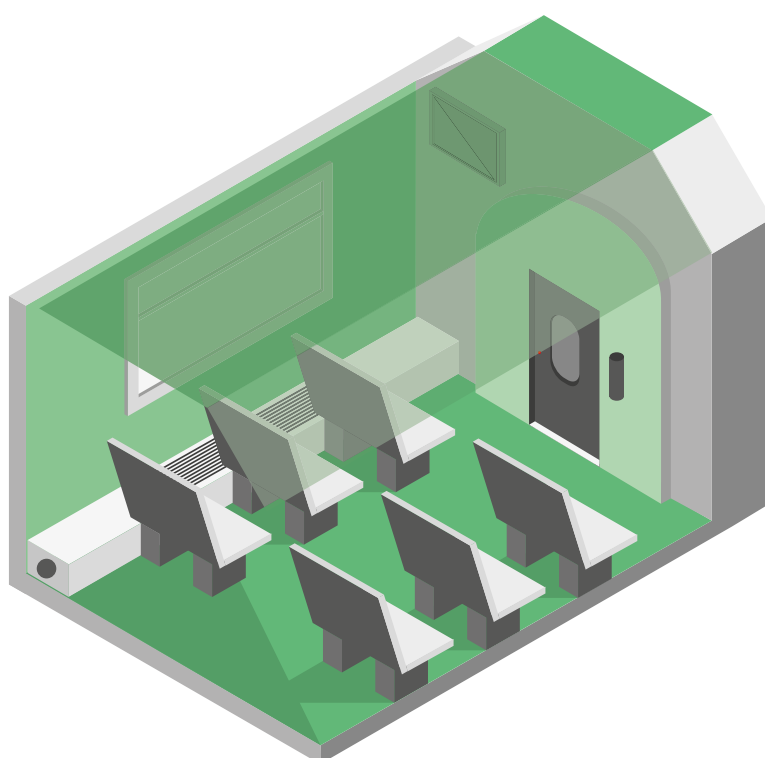
Figure 4: Hazard levels under EN 45545

Operation category	Design category	N: Standard vehicles	A: Vehicles forming part of an automatic train which have no staff trained for emergencies on board	D: Double-decked vehicles	S: Sleeping and couchette vehicles (double/single decked)
1		HL1	HL1	HL1	HL2
2		HL2	HL2	HL2	HL2
3		HL2	HL2	HL2	HL3
4		HL3	HL3	HL3	HL3

low risk

high risk

Class	Area of Use
R1	Interior surfaces Window frames Display screens
R7	Interior surfaces of gangways-Type B Air ducts on locomotives Walls of external body shell External surfaces of enclosures containing Technical equipment Under frame of external body shell Exterior design features Container mounted in under frame Exterior surface of gangways Bogie structure and parts Arc splash barrier material
R10	Floor composites





R10 – Plywood for flooring

R10 HL1; HL2; HL3 according to EN 45545-2

Post processing options

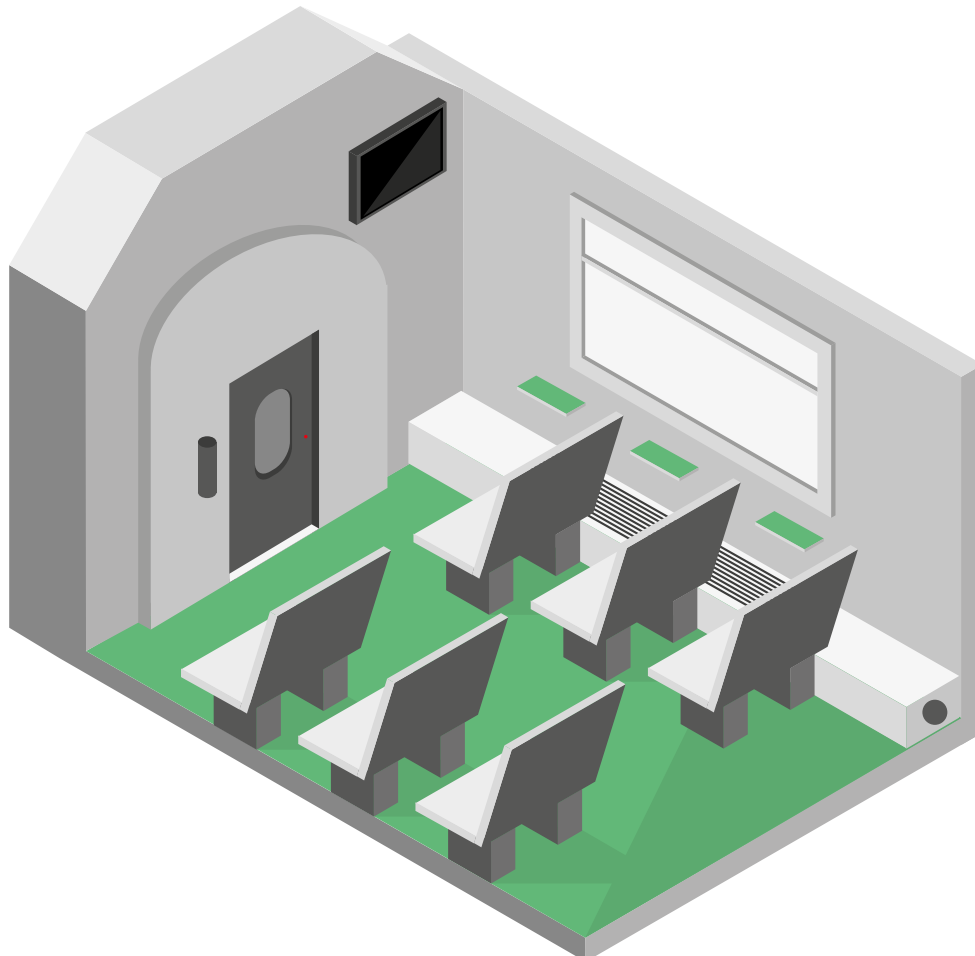
- cutting to smaller sizes on panel saws
- finishing of the edges – straight and profiled, drilling, routing, grooving in CNC Processing Centers

Main areas of application

- construction elements, floors
- production of wooden customer goods



Interior
Panels
Floors



One side film faced Hardwood plywood



Hardwood cross-grain film faced plywood made of 1.5 mm veneers, overlayed with non-slippery phenolic film. Plywood suitable for overlaying and further processing. Plywood fulfills demands for all threats levels according to EN 45545-2: HL1, HL2, HL3.

Type of bonding

Exterior: based on phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2, AW100, BFU100).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm
THICKNESS	9-30 mm
DENSITY	640 - 880 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

Raw hardwood plywood



Raw hardwood plywood composed of 1.5 mm veneers impregnated with resistant to burning retardant. Plywood suitable for overlaying and further processing. Plywood fulfills demands for all threats levels according to EN 45545-2: HL1, HL2, HL3.

Type of bonding

Exterior: based on phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2, AW100, BFU100).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm
THICKNESS	9-35 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	640 - 880 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2



R1 – Plywood for walls and ceilings

R1 HL1; HL2; HL3 according to EN 45545-2

Post processing options

- cutting to smaller sizes on panel saws
- finishing of the edges – straight and profiled, drilling, routing, grooving in CNC Processing Centers

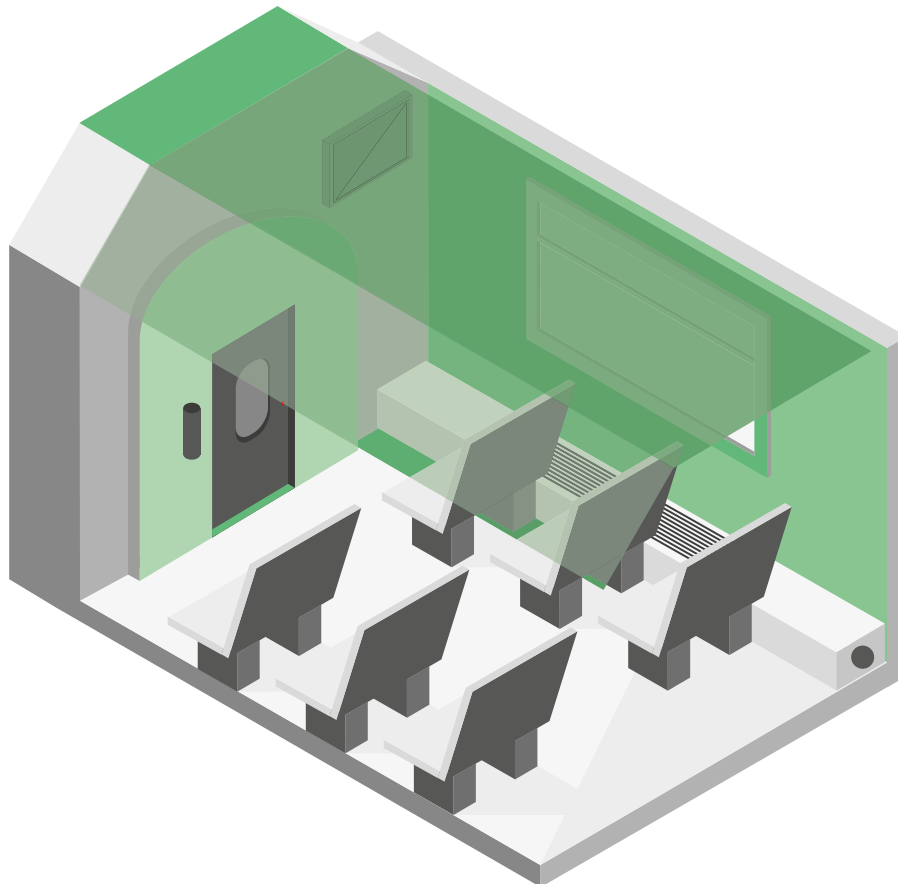
Main areas of application

- construction walls and ceilings
- interior surfaces
- window frames
- display screens



Interior

Wall
Ceiling
Windows
Display screens





Raw Beech plywood



Raw beech plywood composed of 1.5 mm veneers impregnated with resistant to burning retardant. Plywood suitable for overlaying and further processing. Plywood fulfills demands for all threats levels according to EN 45545-2: HL1, HL2, HL3.

Type of bonding

Exterior: based on melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2, AW100).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm*
THICKNESS	12-30 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	700-950 kg/m3
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

* for 12-24 mm thickness



Raw hardwood plywood



Raw hardwood plywood composed of 1.5 mm veneers impregnated with resistant to burning retardant. Plywood suitable for overlaying and further processing. Plywood fulfills demands for all threats levels according to EN 45545-2: HL1, HL2, HL3.

Type of bonding

Exterior: based on melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2, AW100).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm*
THICKNESS	12-30 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	700 - 900 kg/m3
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

* for 12-24 mm thickness



R7 – Plywood for special solutions

Raw beech plywood R7 HL1; HL2; HL3 according to EN 45545-2

Raw hardwood plywood R7 HL1; HL2 according to EN 45545-2

Post processing options

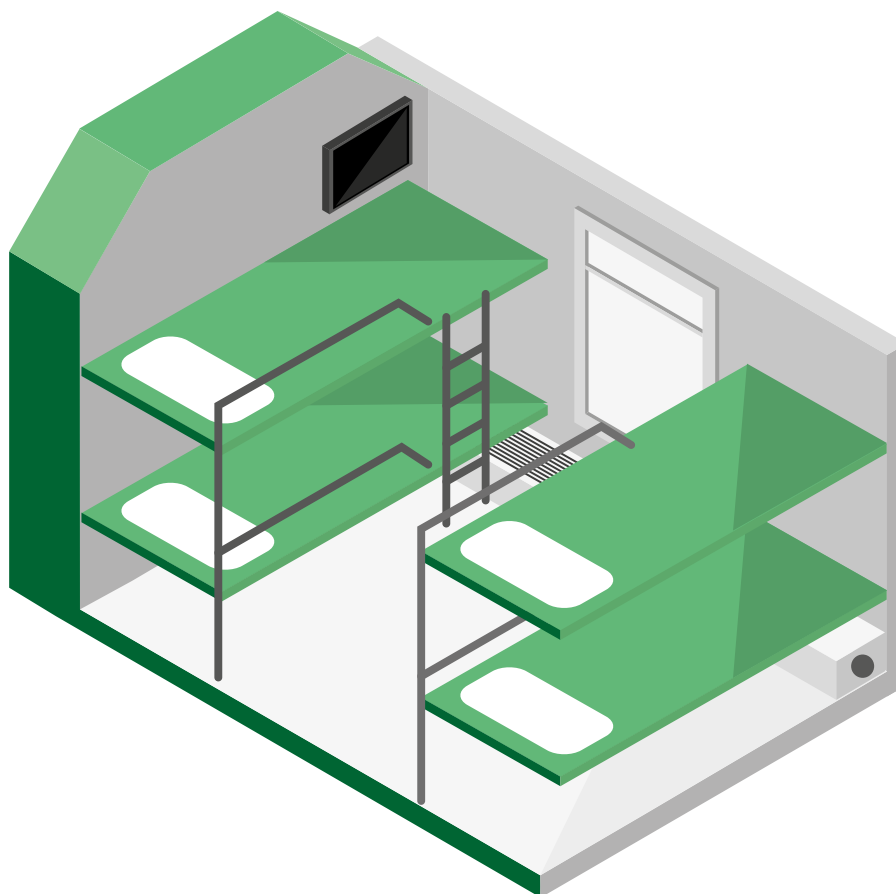
- cutting to smaller sizes on panel saws
- finishing of the edges – straight and profiled, drilling, routing, grooving in CNC Processing Centers

Main areas of application

- Interior surfaces of gangways-Type B
- Air ducts on locomotives
- Bottoms of couches and beds



Interior / Exterior
Other surfaces





Raw Beech plywood



Raw beech plywood composed of 1.5 mm veneers impregnated with resistant to burning retardant. Plywood suitable for overlaying and further processing. Plywood fulfills demands for all threats levels according to EN 45545-2: HL1, HL2, HL3.

Type of bonding

Exterior: based on melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2, AW100).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm
THICKNESS	12-30 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	700-950 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2



Raw hardwood plywood



Raw hardwood plywood composed of 1.5 mm veneers impregnated with resistant to burning retardant. Plywood suitable for overlaying and further processing. Plywood fulfills demands for all threats levels according to EN 45545-2: HL1, HL2.

Type of bonding

Exterior: based on melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2, AW100).

STANDARD SIZES	1250x2500 mm, 1500x2500 mm, 1500x3000 mm*
THICKNESS	12-30 mm
QUALITY CLASSES	II, III, IV PN-EN 635-2
DENSITY	700 - 900 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

* for 12-24 mm thickness

Fire Retardant

Road Transportation Plywood



Plywood for Road Transportation

PAGED Plywood FR for Road transportation meets requires homologation certificate according to **UNECE 118**.

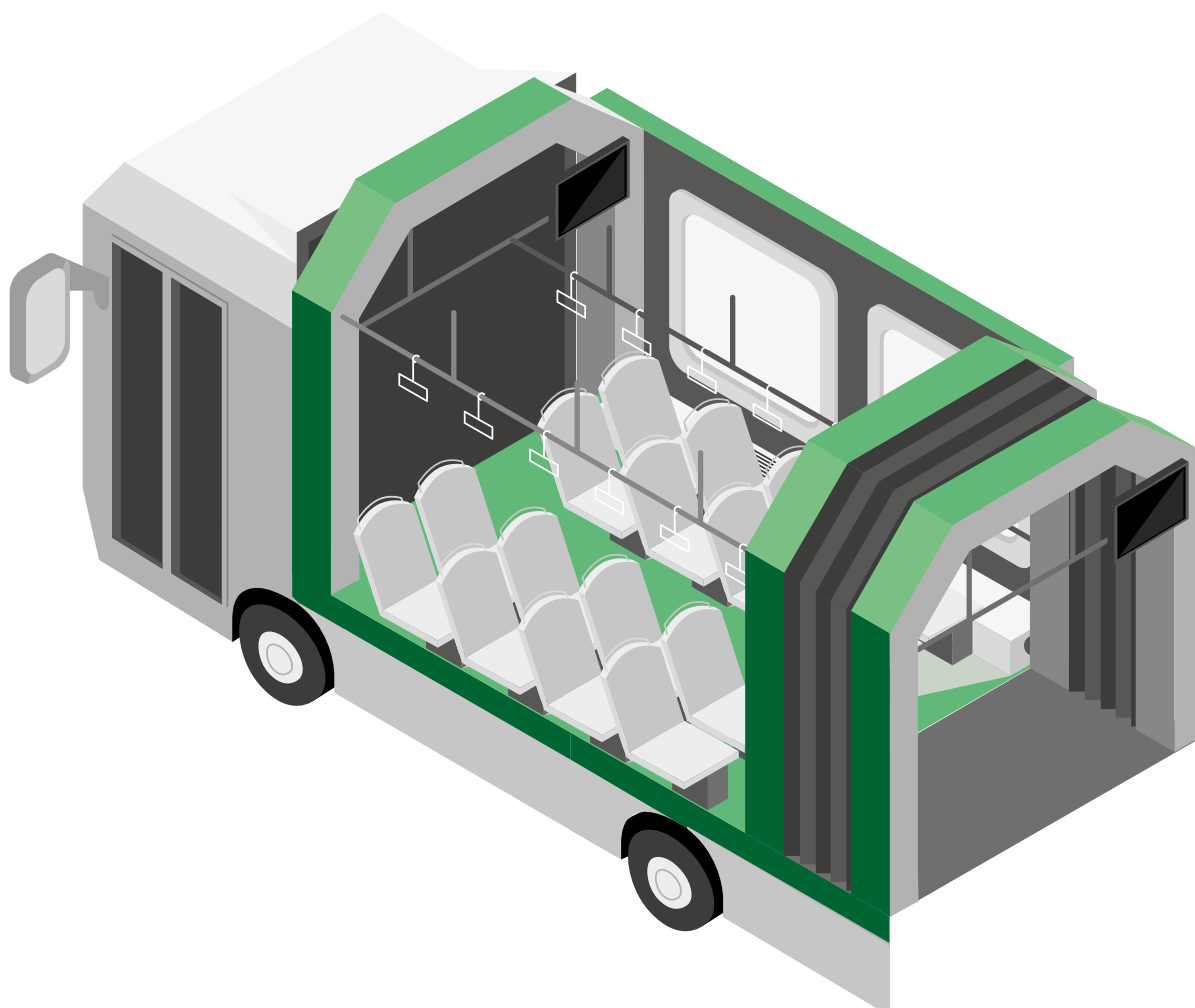
Plywood produced for Road transportation meets the requirements of the regulations of **the United Nations Economic Commission for Europe (UNECE No. 118)** regarding the combustibility of materials used in the construction of certain categories of motor vehicles and their resistance to fuels or lubricants. They are designed for horizontal assembly and vertical.

On this basis, Transport Technical Supervision in Poland „Paged Sklejka S.A.” and „Sklejka Pisz S.A.” received the Homologation Certificate (type / part) E20 118R11-02 for plywood.

Main areas of application Material intended for interior horizontal and vertical installation.



Exterior
Wall
Ceiling
Floor



PAGED BUS / Raw hardwood plywood



Raw hardwood plywood with hardwood face and core composed of 1.5 mm veneers.

Type of bonding

Exterior: based on phenol-formaldehyde resin (acc. to PN-EN 636, technical classes EN 636-2).

STANDARD SIZES	1500 x 3300; 1500 x 2500/3000; 1250 x 2500; 2500 x 1250; 1530 x 2230 mm
THICKNESS	6-40 mm
QUALITY CLASSES	I,II, III, IV PN-EN 635
DENSITY	640-760 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

PAGED BUS Film / Hardwood plywood, film faced



Film faced hardwood plywood with hardwood face and core composed of 1.5 mm veneers.

Type of bonding

Exterior: based on phenol-formaldehyde resin (acc. to PN-EN 636, technical classes EN 636-2).

STANDARD SIZES	1500 x 3300; 1500 x 2500/3000; 1250 x 2500; 2500 x 1250; 1530 x 2230 mm
THICKNESS	6-40 mm
DENSITY	640-760 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2



COMBI hardwood plywood



Mixed hardwood plywood with hardwood face and softwood or hardwood core composed of 1.5 mm veneers.

Type of bonding

Exterior: based on phenol-formaldehyde resin (acc. to PN-EN 636, technical classes EN 636-2).

STANDARD SIZES	1500 x 3300; 1500 x 2500/3000; 1250 x 2500; 2500 x 1250; 1530 x 2230 mm
THICKNESS	6 – 40 mm
QUALITY CLASSES	E, I,II, III, IV PN-EN 635-2
DENSITY	580 - 700 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2



Softwood plywood



Softwood plywood with pine face and pine or hardwood core composed of 1.5 mm veneers.

Type of bonding

Exterior: based on melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2).

STANDARD SIZES	1500 x 3300; 1500 x 2500/3000; 1250 x 2500; 2500 x 1250; 1530 x 2230 mm
THICKNESS	6 – 40 mm
QUALITY CLASSES	E, I,II, III, IV PN-EN 635-2
DENSITY	550 - 650 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2

PAGED PHONE / Hardwood plywood, film faced with rubber



Film faced plywood with rubber inside with hardwood face and core composed of 1.5 mm veneers. The 3 mm thick damping in-fill is situated symmetrically in the central part of the plywood. The in-fill is a composite material containing rubber suppressing vibrations and sounds caused e.g. by the motor operation. It is a lightweight material which allows reducing the weight of vehicles without compromising their payload and safety.

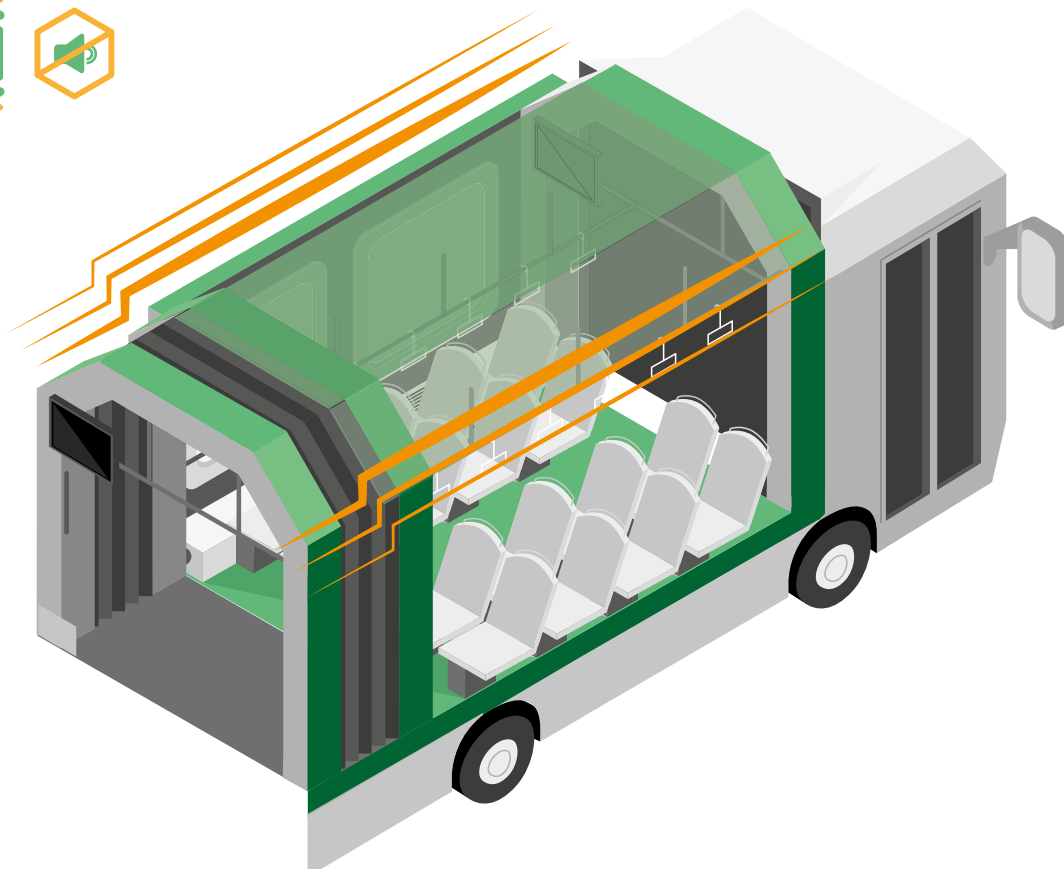
Type of bonding

Exterior: : based on phenol-formaldehyde resin or melamine-urea-phenol-formaldehyde resin (acc. to PN-EN 636, technical class EN 636-2).

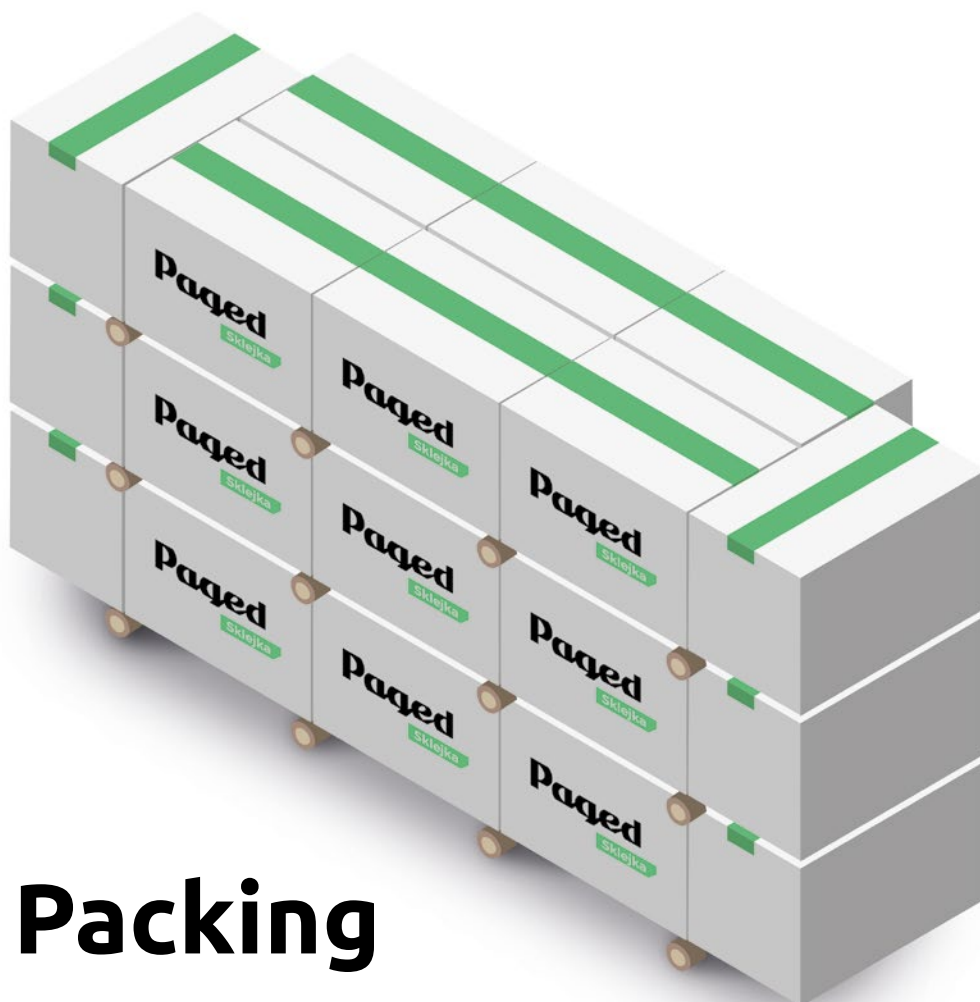
STANDARD SIZES	1500 x 3000; 1500 x 2500; 1250 x 2500 mm
THICKNESS	11-40 mm
DENSITY	950-1050 kg/m ³
RELEASE OF FORMALDEHYDE	E1
BONDING QUALITY	class 3
BIOLOGICAL DURABILITY	use class 2



Exterior
Wall
Ceiling
Floor



ALL PACKING MATERIAL
ARE RECYCLABLE



Plywood Packing

Sheets of plywood are piled up on single-decked pallets made up for panel size. Depending on client's requirements and means of transport packets are secured with foil, cardboard or with hardboard. All packets are banded with band, edges secured clips. The height of the palette is 12 cm. Standard packet heights are 80 cm and 40 cm (without palette). Number of pallets of certain thickness contained in single packet is shown in table below. There are forklift trucks being used for loading palletes. Vehicles collecting plywood should have possibility of side loading – min. loading width - 2.48 m.

THICKNESS OF THE PANEL [mm]	NUMBER OF PIECES ON ONE PACKET
4	100
6,59	0
96	5
12	50
15	40
18	35
21	30
24	25
27	22
30	20
35	18
40	15

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