

Polystyrene underlays (XPS)

Production

Polystyrene underlay (XPS) are recommended for floors with laminate flooring panels made of wood-wood multi-layer floor elements (boards, plates).

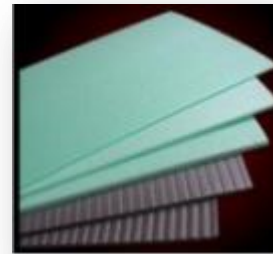
Polystyrene



Polystyrene's foil



Underlays



Ceiling Tiles



STOCK



Panel- Base extruded polystyrene underlays (XPS)

Panel- Base extruded polystyrene underlays (XPS) are designed for insulation between the floor panels and the concrete substrate. They can be used in construction and public buildings. Ideal protection against hear loss, equalize the surface and reduction of sound in the room. An excellent barriers to the development of mold and mildew.

THICKNESS	LENGTH/ WIDTH	PACK	BOX	COLOR
3 mm	1200 x 500 mm	6 m ²	72 m ²	GREEN
5 mm	1200 x 500 mm	6 m ²	42 m ²	GREEN

Technical data

Panel-Base extruded polystyrene underlays (XPS)			3,0 mm	5,0 mm
Thermal resistance	R	m ² K/W	0,97	0,161
		λ[W/m*K]	0,031	0,031
Density		kg/m ³	30	28
Water absorbtion		%	≤ 1	≤ 1
Punctual conformability	PC	mm	≤ 2	≤ 4
Compressive Strenght	CS	kPa	48,3	93
		t/m ²	5,41	10,42
Impact noise reduction (down sound-proofing)	IS	dB ΔL _w	18	18

STOCK

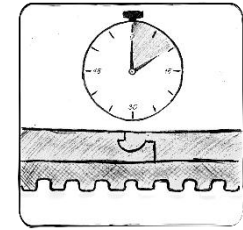
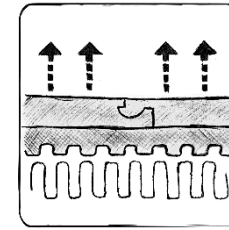


Panel-Base Rolls are made of **XPS** extruded polystyrene by thermoforming. They are intended for levelling cement bases before laying floors made of wood-based laminated floor elements, so called panels, and multi-layer wooden or wood-based floor covering elements. The Rolls have a smooth surface or one with evenly spread perforation. Rolled products are recommended for rooms with floor heating installation.

THICKNESS	LENGTH/WIDTH	ROLL	PALLET	COLOR
1,6 mm	15 000 x 1100 mm	16,5 m ²	792 m ²	red blue
2 mm	15 000 x 1100 mm	16,5 m ²	594 m ²	green

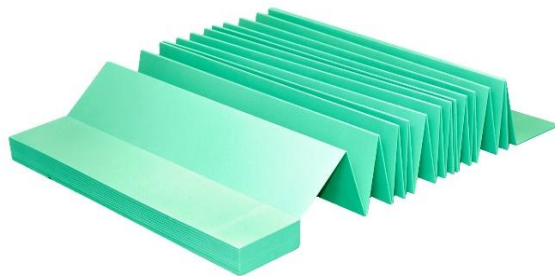
STOCK

Panel-Base Rolls— Suitable for underfloor heating

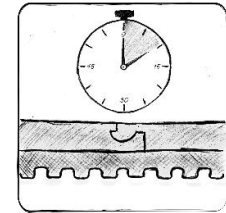


Panel – Base Rolls			1,6 mm	2,0 mm
Thermal resistance	R	m ² K/W	0,052	0,065
		λ[W/m*K]	0,031	0,031
Density		kg/m ³	45	40
Water absorption		%	≤ 2	≤ 2
Punctual conformability	PC	mm	≤ 1	≤ 1,5
Impact noise reduction (down sound-proofing)	IS	dB ΔLw	18	18

STOCK



FAST FLOOR UNDERLAY

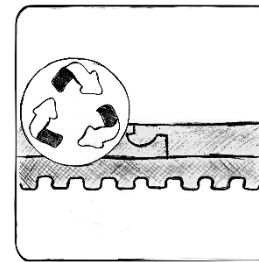
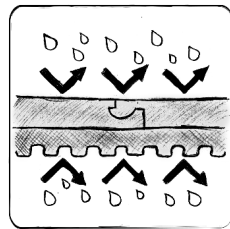
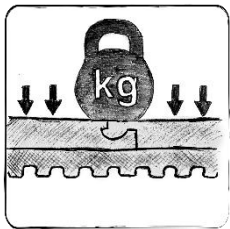


THICKNESS	LENGTH/WIDTH
2 mm	14 000 x 1000 mm
3 mm	10 000 x 1000 mm
5 mm	6 000 x 1000 mm

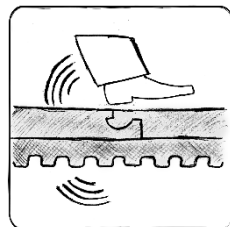
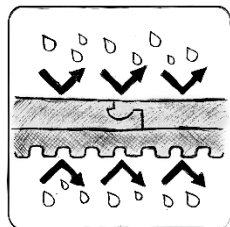
THICKNESS	m ² /pack	m ² /box
2 mm	14 m ²	84 m ²
3 mm	10 m ²	60 m ²
5 mm	6 m ²	36 m ²

SELLING POINT OF UNDERLAYS

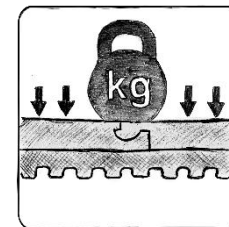
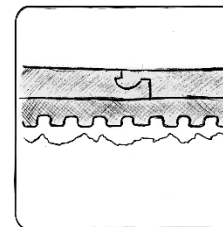
THICKNESS 2 mm



THICKNESS 3 mm



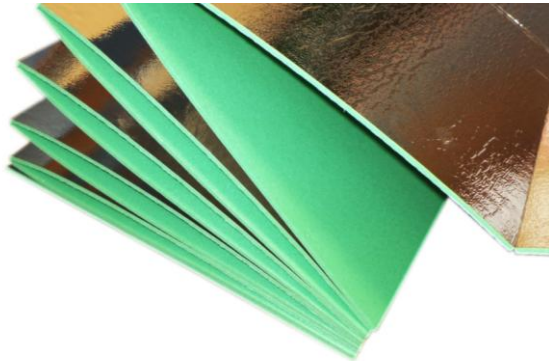
THICKNESS 5 mm



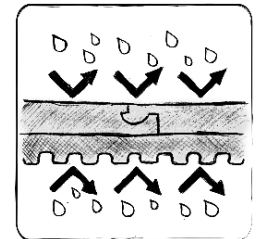
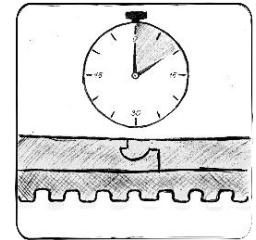
Technical data

FAST FLOOR underlays		2,0 mm	3,0 mm	5,0 mm
Dimension	[mm]	14 000 x 1000	10 000 x 1000	6 000 x 1000
Tolerance	%	length +/- 0,5% width +/- 0,5% thickness +/- 0,25	length +/- 0,5% width +/- 0,5% thickness +/- 0,25	length +/- 0,5% width +/- 0,5% thickness +/- 0,25
Color		grey	green	green
Surface		smooth	smooth	smooth
Density	kg/m ³	≤ 23	≤ 23	≤ 23
Water absorption	%	≤ 2,0	≤ 1,0	≤ 1,0
Floor levelling	[mm]	≤ 1,5	≤ 2,0	≤ 4,0
Thermal resistance	R [m ² K/W]	0,065	0,097	0,177
Heat conductivity coefficient	λD, W/(m·K)	0,031	0,031	0,031

STOCK



FAST FLOOR with PET foil - made of extruded polystyrene (XPS). They are designed for laminate, three-layer. They board Includes an integrated vapor barrier layer - PET foil. It does not require the use of an additional barrier against moisture, making the installation time is shorter. Perfectly reduces inequality in the substrate, it has a high coefficient of thermal insulation and reduces audible sound in the room below.



THICKNESS	LENGTH/ WIDTH	PACK	BOX	PALLET	COLOR
2,2 mm	13000 x 1000 mm	13 m ²	78 m ²	780 m ²	GREEN
5 mm	6000 x 1000 mm	6 m ²	36 m ²	360 m ²	GREEN

FAST FLOOR WITH PET FOIL UNDERLAY

Technical data

FAST FLOOR underlays with PET foil		2,2 mm	5,0 mm
Dimension	[mm]	13 000 x 1000	6000 x 1000 x 5
Color		green	green
Density	kg/m ³	≤ 40	
Water absorption	%	≤ 2,0	≤ 1
Punctual conformability	[mm]	≤ 1,5	≤ 4
Thermal resistance	R [m ² K/W]	0,065	0,161
Impact sound	dB	ΔLw-18	ΔLw-18
Compressive strength	kPa	15,5	93
	t/m ²	1,74	10,42

Product Description - Perfect Mat 1,5 mm

PERFECT MAT 1,5 mm they are perfect for Luxury Vinyl Tiles flooring (LVT) Installation. It has a high-class acoustic parameters, in particular the level of noise, which isolates the sounds heard in the rooms below. The use of Perfect Mat underlay makes the room becomes quiet and comfortable. The material from which the base is ideal for wet rooms and heating system used.

Due to the printed surface of the plate it can easily be adapted to the size of each room.



Technical Data

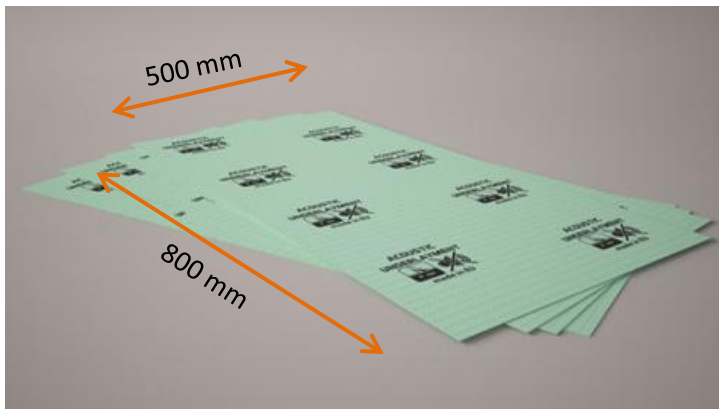
PERFECT MAT			1,5 mm
Thermal resistance	R	m ² K/W	0,076
		λ[W/m*K]	0,027
Density		Kg/m ³	80
Water absorbtion		%	≤ 2
Punctual conformability	PC	mm	≤ 1
Compressive Strenght	CS	kPa	73
		t/m ²	8,176
Impact noise reduction (down sound-proofing)	IS	dB ΔL _w	21
		dB ΔL _{lin}	10

DATA BASE ASSOCIATION MEETS THE REQUIREMENTS EPLF

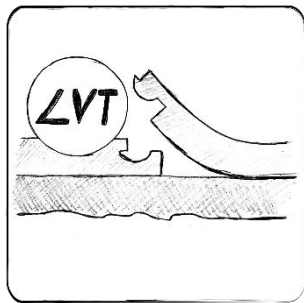
PACKAGING / LOGISTICS

THICKNESS [MM]	QANTITY PANEL UNDERLAYS IN ONE PACK	QANTITY M ² IN ONE PACK	WAIGHT 1M ² [KG]	WAIGHT OF PACK [KG]	DIMENSION ONE BOX [MM]	COMMERCIAL PACKAGE	QUANTITIY PACK IN ONE BOX	QANTITY M ² IN ONE BOX	QANTITY OF CARTOONS IN ONE PALLET	QANTITY M ² ON ONE PALLET
1,5	15	6	0,12	0,72	810x510x95	1 box - 6 m ²	4	24	24	576

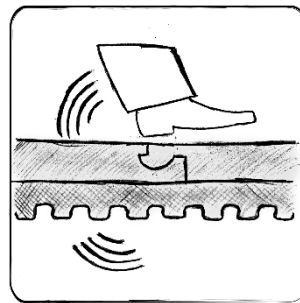
Package weight [kg]	Weight of full pallet with the goods [kg]	Quantity of pallets/truck	Quantity of pack/truck	Quantity M2/truck	Customs code
3,18	88,72	64	6144	36864	3921110090



Perfect Mat Underlay...



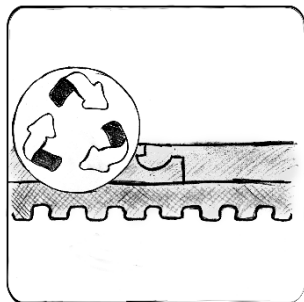
RECOMMENDED FOR VINYL FLOORS



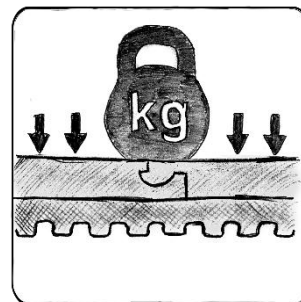
HIGH SOUND'S PARAMETERS



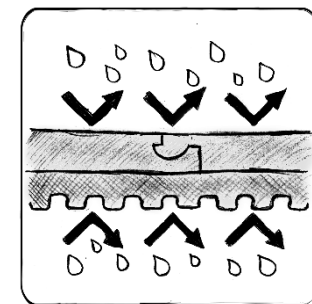
AN EXCELLENT BARRIERS TO THE DEVELOPMENT OF MOLD AND MILDEW



SUBJECT TO THE RECYCLED



COMPRESSIVE STRENGHT



WATER ABSORPTION

CERTIFICATE

Report no: **A 2842-1E-RA-001**
ACUSTIC LABORATORY PEUTZ

Technical Approval No. AT 15-6633/2012
 Hygiene Approval No. HK/B/1030/02/2009

NATIONAL DECLARATION OF CONFORMITY
 No. KDZ/001/PPXPS/2012 z dnia
 21.05.2012 r

Test report: Determination of fungi static
 action by
 US EPA Pesticide Assessment Guidelines
 Subdivision G: Product Performance Section
 93-30 Item 2

Hard Surface Mildew

Fungistatic Test Method
 Certificate of participation in the program
 of the National Institute of Public Health
 "Product with a certificate" Highest rating
 VOC French class "A +"

CERTIFIED TRANSLATION FROM POLISH

[logo]

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Series: TECHNICAL APPROVALS

ITB TECHNICAL APPROVAL AT-15-6633/2012

Pursuant to the Ordinance of the Minister of Infrastructure dated 8 November 2004 on
 technical approvals and organizational bodies authorized to issue the same (Journal of Laws
 No. 249, item 2497), following the approval procedure conducted in the Construction Technology
 Institute in Warsaw, on application of:

It is hereby certified that the set of products under the following names is suitable for building industry:

XPS extruded polystyrene Panel-Base Products

in the scope and on terms specified in the Schedule hereto which is an integral part of this
 ITB Technical Approval.

Term of validity:
 17 May 2017

DIRECTOR
 Deputy Director
 for Cooperation with Business

Jan Bobrowicz

Schedule:
 General and Technical Provisions

Warsaw, 17 May 2012

Technical Approval ITB AT-15-6633/2012 is a renewal of the ITB Technical Approval AT-15-6633/2009. ITB
 Technical Approval document AT-15-6633/2012 consists of 13 pages. The text hereof may only be translated in its
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