

„KOTAR“ „KOTAR“
INSULATION

THERMAL INSULATION MATERIALS FOR YOUR HOME

INSULATION BOARDS | FOILS AND FABRICS | SYSTEM BOARDS | EDGE STRIPS



PRODUCT
CATALOGUE



KOTAR is a family-owned company with **more than 30 years of experience** in the underfloor heating systems market, manufacturing KR system boards, insulation boards and underfloor heating films and fabrics, as well as edge strips and accessories for underfloor heating.

The manufacturer shall not be responsible for errors contained in this catalogue.
The folder is for illustrative purposes only and does not constitute an offer within the meaning of the Polish Civil Code.



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**WE SELL OUR PRODUCTS TO MORE THAN
30 COUNTRIES WORLDWIDE.**



In Poland, our products are available in most chains of the largest construction and installation wholesalers.

Our main export markets are most European countries, countries in the Middle East; Asian countries and South America. Year by year we are developing the base of contractors with whom we work.





Overprint for
easy assembly



Pipe fixing
using clamps



Quick
assembly



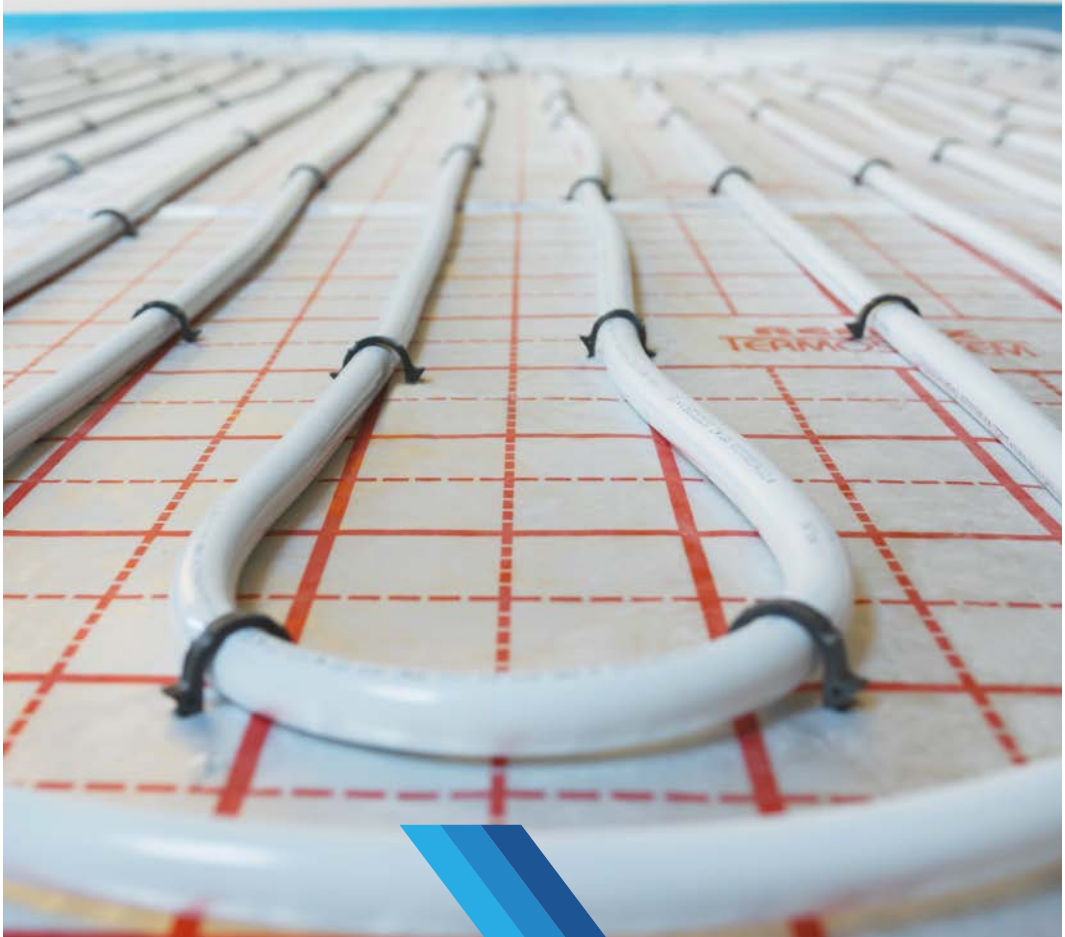
Heavy-duty
fabrics

INSULATION BOARDS

They are manufactured from polystyrene boards, in accordance with EN 13163, 1m wide, covered on one side with polypropylene fabric or a laminate of PE and PP film in a metallised version.

They are used as thermal, acoustic and moisture insulation under underfloor heating in residential and public buildings.

IZOROL-L pack, duo	8
IZOROL-PP pack, duo	10



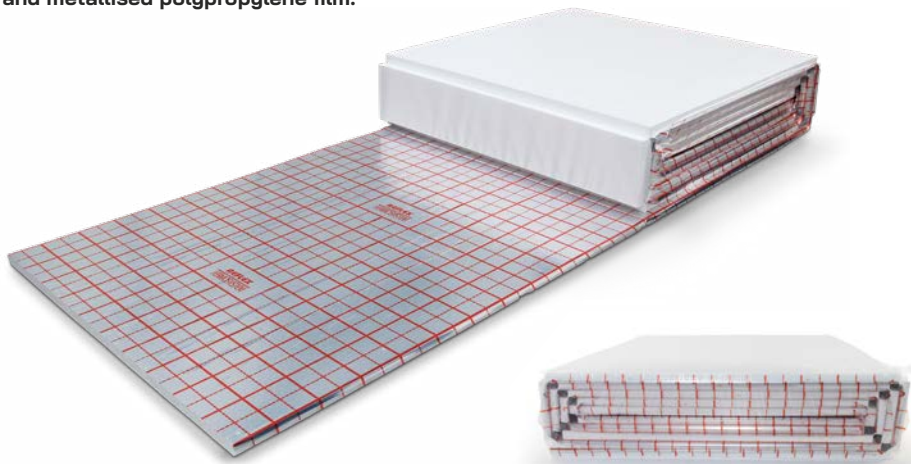
They are available in many variants differing in the type of polystyrene used (EPS 80, EPS 100, EPS 200, EPS T 040, EPS T 045), the packaging system (loose in the form of boards folded in half and not protected with foil and in the form of boards wrapped with PE foil), and the type of covering (fabric or foil).



The top layer of foil and fabric is printed with continuous and dashed or dotted lines, vertically and horizontally, alternating every 5 cm, which form a grid to facilitate the precise positioning of the underfloor heating pipes.



All IZOROL- L boards are made of polystyrene boards, 1 m wide, covered on one side with a laminate of polyethylene film and metallised polypropylene film.

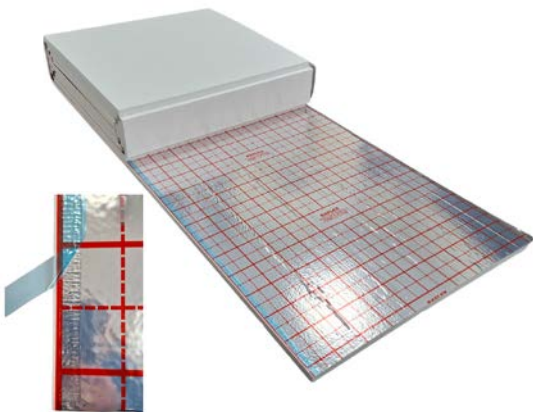


Insulating board
IZOROL-L PACK

EPS 80, EPS 100, EPS 200, EPS T 040, EPS T 045

The board is 10m long, with notches in the polystyrene layer that allow the slab to be folded into a cube shape, protected by PE film for comfort in transport and storage.

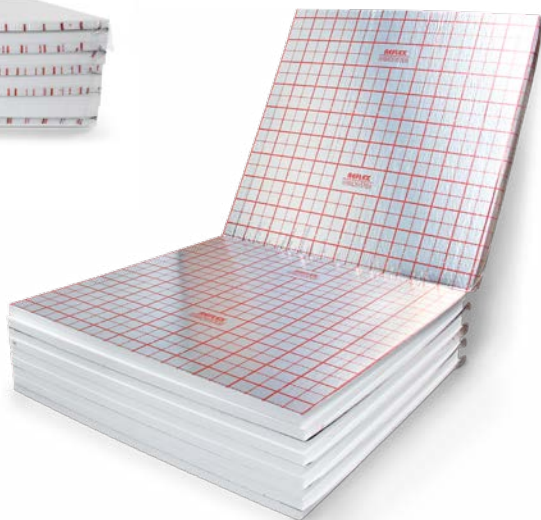
Length:	Width:	Thickness:
10m	1m	20mm, 25mm, 30mm, 35mm, 40mm



IZOROL-L PACK PLUS

The PLUS insulation board with adhesive strip allows for quick and tight joining of boards without the use of additional adhesive tape, speeding up installation and increasing the installer's comfort

TECHNICAL
PARAMETERS
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Length:	Width:	Thickness:
2m	1m	20mm, 25mm, 30mm, 40mm, 50mm

TECHNICAL
PARAMETERS

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Insulating board

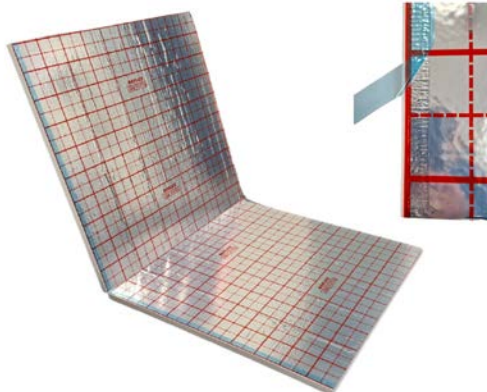
IZOROL-L DUO

EPS 80, EPS 100, EPS 200, EPS T 040, EPS T 045

The board is 2m long, folded in half. The 5 boards are wrapped in a protective PE foil, thus forming a cube shape for comfort in transport and storage.

IZOROL-L DUO PLUS

The PLUS insulation board with adhesive strip allows for quick and tight joining of boards without the use of additional adhesive tape, speeding up installation and increasing the installer's comfort



TECHNICAL
PARAMETERS

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All IZOROL- PP BOARDS are made of polystyrene boards, 1m wide, covered on one side with polypropylene fabric coated with polypropylene.

The main advantage of Izorol-PP boards is the high level of tensile strength of the top layer of the board (fabric) - this is particularly important in the case of single-layer pipes requiring stronger anchoring in the insulation.



Insulating board

IZOROL-PP PACK

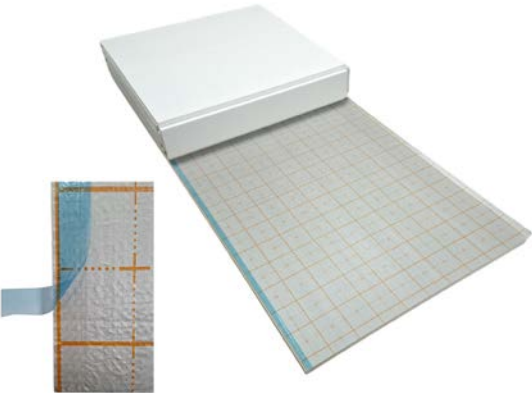
EPS 80, EPS 100, EPS 200, EPS T 040, EPS T 045

The slab is 10m long, with notches in the polystyrene layer that allow the slab to be folded into a cube shape, protected by PE film for comfort in transport and storage.

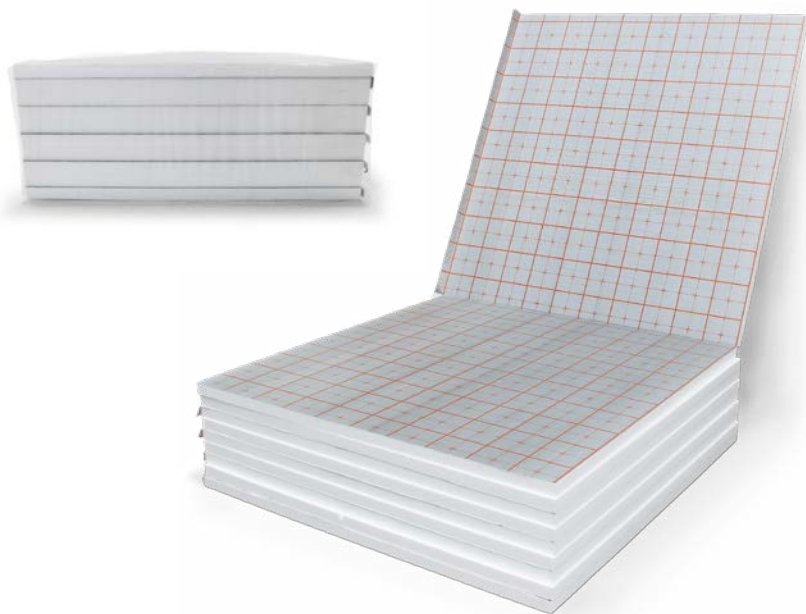
Length:	Width:	Thickness:
10m	1m	20mm, 25mm, 30mm, 35mm, 40mm

IZOROL-PP PACK PLUS

The PLUS insulation board with adhesive strip allows for quick and tight joining of boards without the use of additional adhesive tape, speeding up installation and increasing the installer's comfort



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Insulating board

IZOROL-PP DUO

EPS 80, EPS 100, EPS 200, EPS T 040, EPS T 045

Length:	Width:	Thickness:
2m	1m	20mm, 25mm, 30mm, 40mm, 50mm

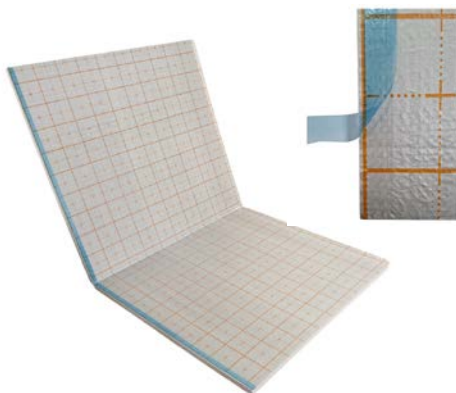
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The board is 2m long, folded in half.
The 5 boards are packed in a protective
PE foil, thus forming a cube shape for
comfort in transport and storage.

IZOROL-PP DUO PLUS

The PLUS insulation board with adhesive
strip allows for quick and tight joining
of boards without the use of additional
adhesive tape, speeding up installation and
increasing the installer's comfort



TECHNICAL
PARAMETERS

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NEW PRODUCTS

SR SYSTEM

To extend its floor heating offer, KOTAR introduced a country-wide innovation: the SR insulation and renovation system.

The system consists of the Izorol-SR or Izorol-SR/KL insulation boards and innovative SR clamps developed by our own technical department.



Overprint for
easy assembly



Pipe fixing
using
clamps



Low-profile
board



Heavy-duty
fabrics



Quick
assembly

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■ IZOROL-SR/KL	15
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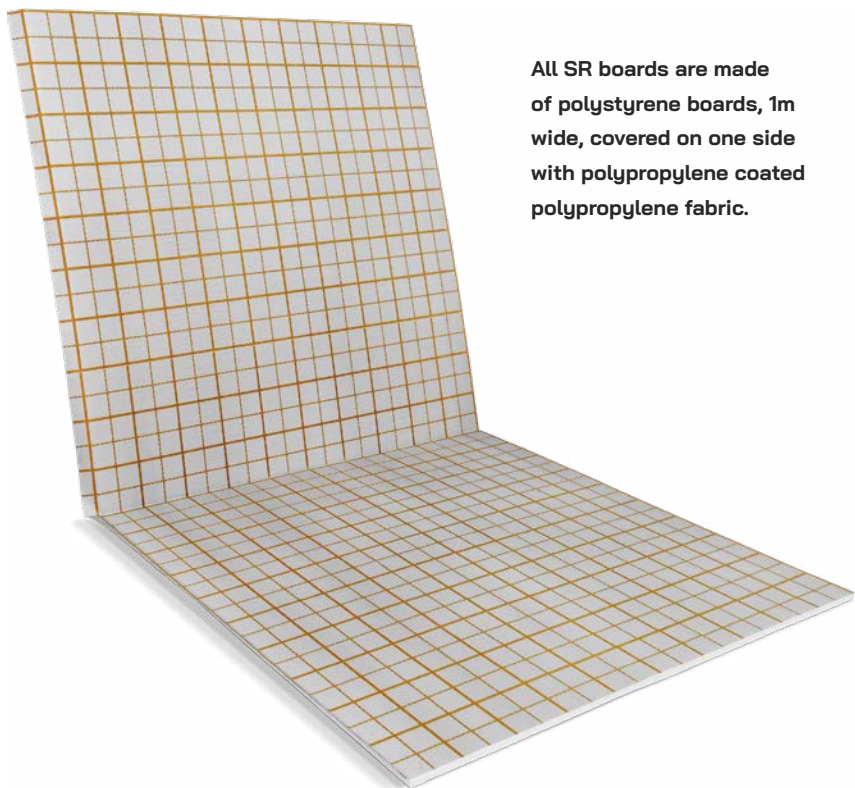


The SR products are mainly intended

for use in renovation systems and in rooms lacking space for a high insulation layer.

The main advantage of Izorol-SR and Izorol-SR/KL boards is their top endurance of the surface (fabric) to tearing. It is of great importance in case of single-layer pipes requiring stronger anchoring in insulation.





All SR boards are made of polystyrene boards, 1m wide, covered on one side with polypropylene coated polypropylene fabric.

Insulating board
IZOROL-SR
 EPS 200, EPS T

The board is 2 m long, folded in half. The 10 boards are packed in a protective PE foil, thus forming a parcel for convenient transport and storage.

The boards are delivered in packages of 20m² each.



Quantity:	Length:	Width:	Thickness:
10 boards	2m	1m	10, 12, 15 mm

TECHNICAL PARAMETERS

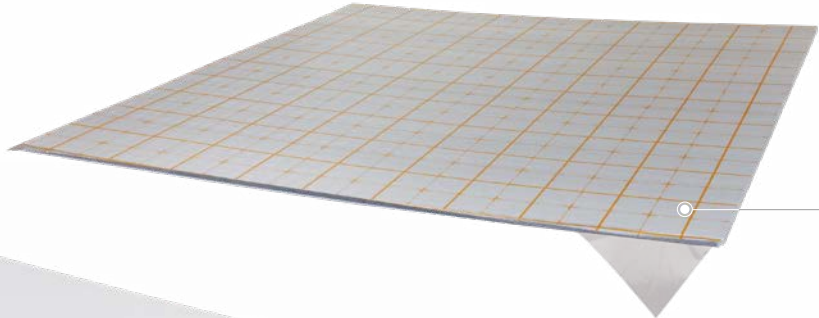
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Insulation boards

IZOROL-SR/KL

EPS 200, EPS T

The board has an additional adhesive layer on the underside (bottom layer of the product), protected by transparent film. The adhesive used in the bottom layer of the IZOROL-SR/KL board is used to attach the insulation board to the substrate, and the foil applied on it serves the function of protecting the bottom layer of the product during transport and is peeled off during installation.



The board is 1m long. The 20 boards are packed in a protective PE foil to form a parcel for comfort in transport and storage.



The boards are delivered in packages of 20m² each.

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Quantity:	Length:	Width:	Thickness:
20 boards	1m	1m	10, 12, 15 mm

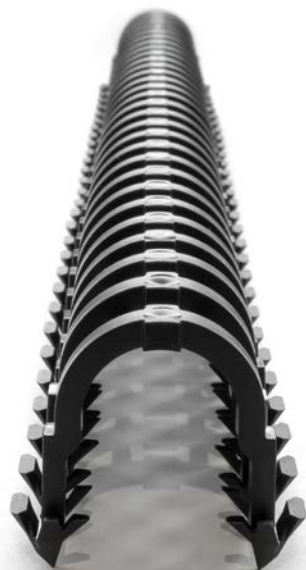
WELDED CLAMPS SR

with innovative **TRIPLE 3D HOOKS** that fix the clip in the insulation board, guaranteeing even stronger connection with the insulation board.

- Welded clamps are used to fasten underfloor heating pipes with maximum diameter 17 mm to insulation boards with a minimum thickness of 10mm,



TUBE CLAMPS WELDED IN STAPLER LOADS FOR FLOOR HEATING PIPES ARE MADE OF BLACK POLYPROPYLENE.



The clips are manufactured in loads of 30pcs.
A pack contains 20 loads of 30pcs (600pcs)

Packaging:	Collective packaging:
20 loads	12000 pieces
	20 boxes x 600 pieces



TECHNICAL PARAMETERS

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TACKER

for Welded Clamps SR

The tacker is an ergonomic device intended for quick assembly of floor heating pipe fixing clamps.

Thanks to its simple design and operation, it will surely facilitate the work of many floor heating assemblers.

The SR clamp tacker is perfectly adapted for SR clamps.

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PARAMETERS

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Overprint for
easy assembly



Pipe fixing
using clamps



Heavy-duty
fabrics

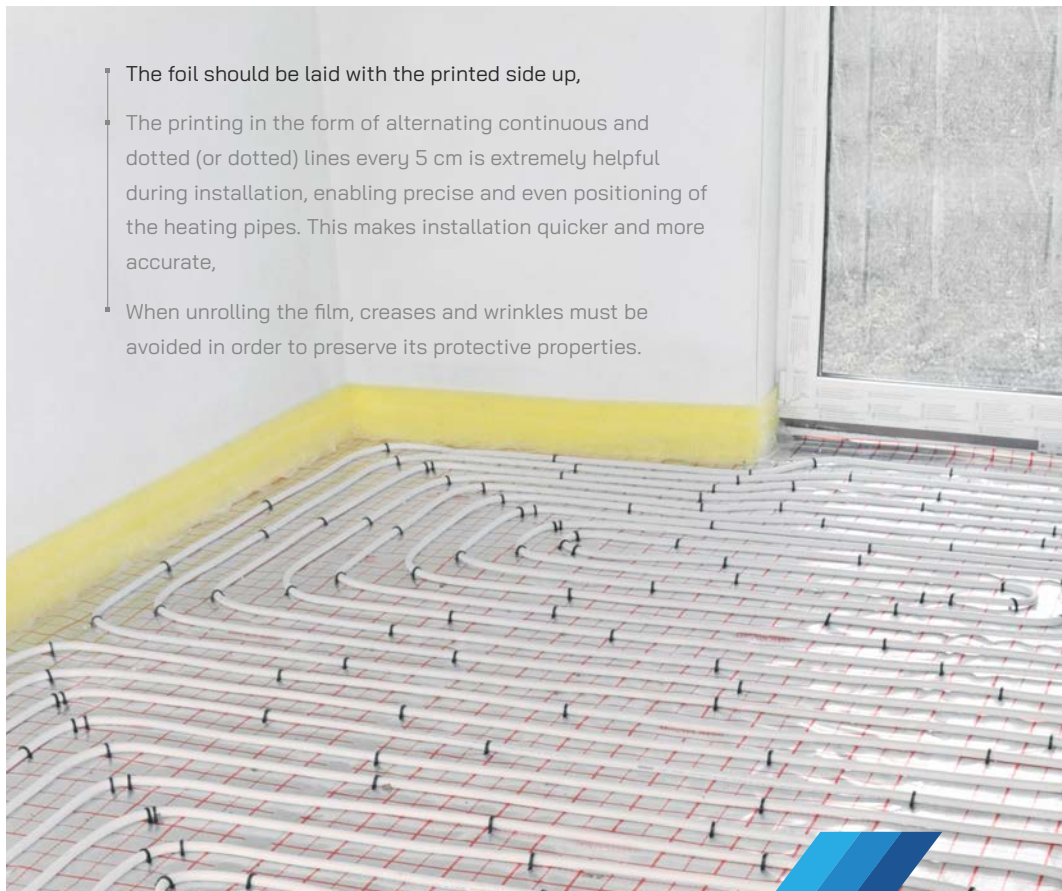
UNDERFLOOR HEATINGS FOILS AND FABRICS

Foil for underfloor heating plays a key role in protecting the polystyrene foam from moisture during the floor screed. Thanks to this, the polystyrene boards retain their insulating properties, which contributes to better energy efficiency of the entire system.

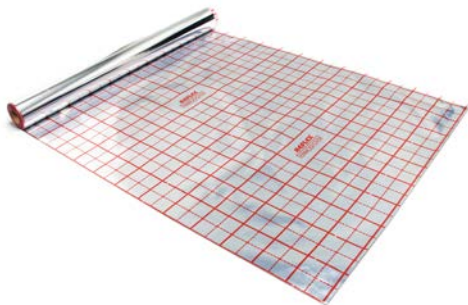
In addition, the film supports the correct anchoring of the mounting clips to the underfloor heating pipes, which ensures the stability of the installation.

IZOROL	20
IZOFOLIX	20
IZOTAR	20
POLYPROPYLENE FABRIC	21
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- The foil should be laid with the printed side up,
- The printing in the form of alternating continuous and dotted (or dotted) lines every 5 cm is extremely helpful during installation, enabling precise and even positioning of the heating pipes. This makes installation quicker and more accurate,
- When unrolling the film, creases and wrinkles must be avoided in order to preserve its protective properties.



The joints between the layers of foil should be joined using approx. 50 mm wide adhesive tape to ensure the tightness and integrity of the entire protective layer.



Foil for underfloor heating

IZOROL

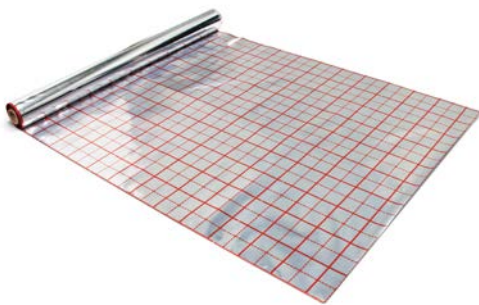
Floor heating Izorol foil is a laminate of polyethylene foil and metalized polypropylene foil of total thickness of 0.13mm.

Foil width:

Thickness:

105 cm $\pm$ 2%

0.13mm $\pm$ 10%



Foil for underfloor heating

IZOFOLIX

Floor heating Izofolix foil is a laminate of polyethylene foil and metalized polypropylene foil of total thickness of 0.105mm.

Foil width:

Thickness:

102 cm $\pm$ 2%

0.105mm $\pm$ 10%



Foil for underfloor heating

IZOTAR

Floor heating Izotar foil is a laminate of polyethylene foil and metalized polypropylene foil of total thickness of 0.105mm.

Foil width:

Thickness:

102 cm $\pm$ 2%

0.105 mm $\pm$ 10%



THE FOIL IS
SUPPLIED IN
50-METER-LONG
BANDS.

TECHNICAL
PARAMETERS

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POLYPROPYLENE FABRIC

Kotar polypropylene fabric serves as a protection for polystyrene boards against dampness during floor screeding and assists in the proper anchoring of mounting clips to the polystyrene board.

Choosing fabric instead of foil for underfloor heating ensures a stronger and more stable anchorage of the mounting clips, which translates into a stable and long-lasting installation.

IMPRINT

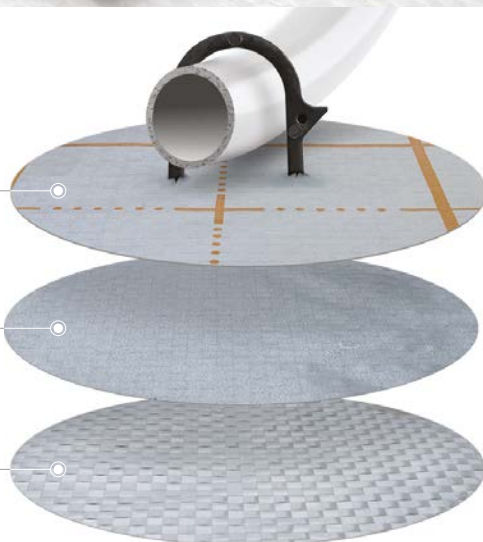
Imprinting in continuous and dotted lines to facilitate the installation of the underfloor heating tubes.

SHELLING

Protection against moisture and water.

BASE

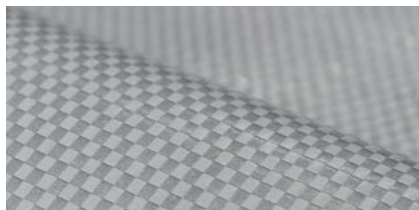
The weave occurring in the fabric contributes to a much better attachment of the clips.



Fabric width: 103 cm $\pm$ 2%

The best effects can be achieved by using the fabric with Kotar's EPS boards and pipe fixing clamps.

THE FABRIC IS DELIVERED IN THE FORM OF A RIBBON WITHN 50 RUNNING METERS IN LENGTH.



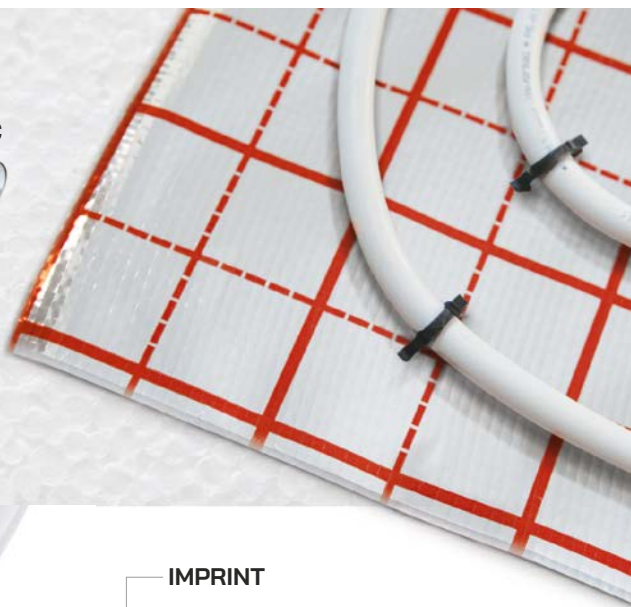
TECHNICAL
PARAMETERS

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NEW PRODUCTS

POLYPROPYLENE FABRIC *METALIZED*

Kotar polypropylene fabric serves as a protection for polystyrene boards against dampness during floor screeding and assists in the proper anchoring of mounting clips to the polystyrene board.



IMPRINT

Imprinting in continuous and dotted lines to facilitate the installation of the underfloor heating tubes.

METALISATION

Metallised film additionally protects against moisture and improves waterproofing and thermal reflectivity.

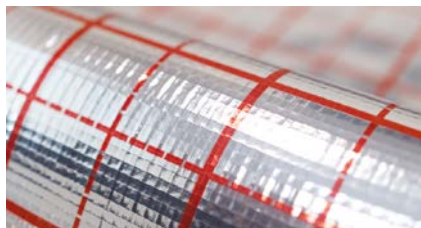
BASE

The weave occurring in the fabric contributes to a much better attachment of the clips.

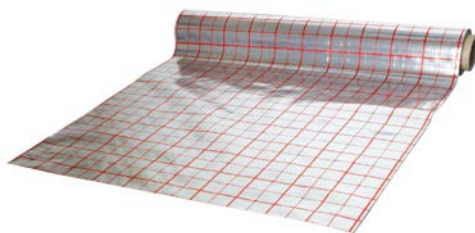


Fabric width: 103 cm $\pm$ 2%

Increases protection
against mechanical damage



**THE FABRIC IS DELIVERED IN THE
FORM OF A RIBBON WITH 50 RUNNING
METRES IN LENGTH.**



TECHNICAL PARAMETERS

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NEW PRODUCTS

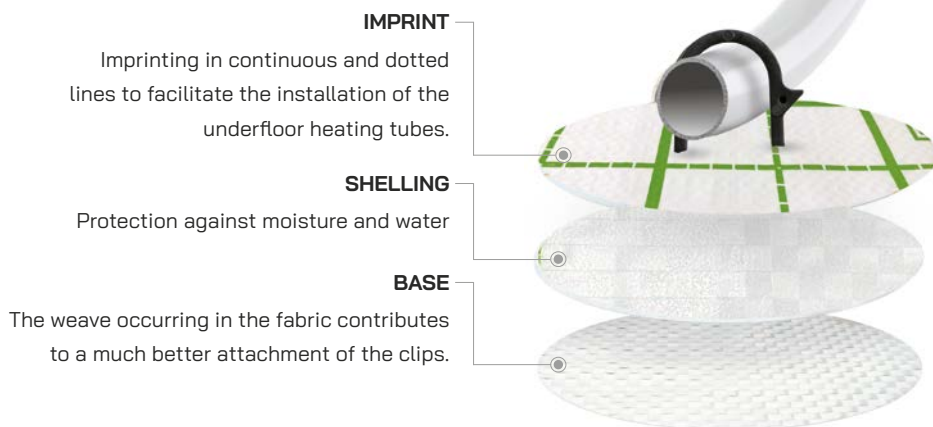
POLYPROPYLENE FABRIC KOTAR NEXT

for underfloor heating

NEXT

KOTAR NEXT polypropylene fabric serves to protect polystyrene boards against moisture and supports the polystyrene boards in the correct anchoring of clips for fastening underfloor heating pipes.

KOTAR NEXT PP fabric offers an excellent combination of affordability and reliable clip fastening, thereby ensuring high functionality and durability, just like traditional PP fabric



The fabric is delivered in the form of a roll.

Length:	Width:
50m	103cm $\pm 2\%$

TECHNICAL
PARAMETERS

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Studs for easy
assembly

Assembly
without the
use of clamps

Quick
assembly

Very high
durability

SYSTEM BOARDS

The system boards enable quick and easy installation of underfloor heating pipes, eliminating the need for additional fixing systems while ensuring precise pipe spacing. Thanks to special outlets on the surface of the board, the pipes can be placed at intervals of: 50 mm or 75 mm, depending on the type of slab.

The boards are available in different versions: as EPS polystyrene boards with tabs (optionally without foil, with laminated foil or with foil overlay), and as foil overlay with outlets, without polystyrene.

• KR50 1G	25
• KR75 1G	25
• KR50/L 1G	25
• KR75/L 1G	25
• KR/N 1G	26
• KR/N 2G EPS T 040	26
• NPS	26



The boards provide thermal and moisture insulation in residential and public buildings.

The boards are joined together using the tongue-and-groove method (KR50 1G, KR 75 1G, KR50/L 1G, KR75/L 1G) or overlapped (KR/N 1G, 2G, NPS), which makes them easier to install.

TECHNICAL
PARAMETERS

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System boards

KR50 1G

EPS 150, EPS 200

The board is made from EPS polystyrene. It has outlets that allow for pipe spacing every 50mm.

Length:	Width:	Thickness:	Height of the outlets:
1.2m	0.6m	22mm, 30mm	~20mm



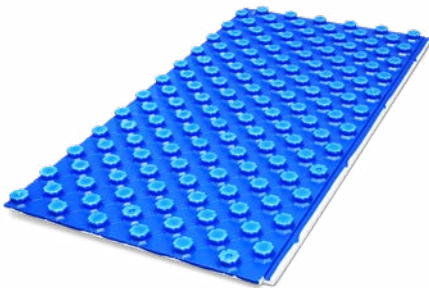
System boards

KR75 1G

EPS 150, EPS 200

A board made from EPS polystyrene. It has outlets that allow for pipe spacing every 75mm.

Length:	Width:	Thickness:	Height of the outlets:
1.2m	0.6m	22mm, 30mm	~20mm



System boards

KR50/L 1G

EPS 150, EPS 200

The board is made of EPS polystyrene. It has outlets that allow for pipe spacing every 50mm. It is covered on one side with laminated polystyrene PS foil in blue or white.

Length:	Width:	Thickness:	Height of the outlets:
1.2m	0.6m	22mm, 30mm	~20mm



System boards

KR75/L 1G

EPS 150, EPS 200

A board made from EPS polystyrene. It has outlets that allow for pipe spacing every 75mm. It is covered on one side with laminated polystyrene PS foil in white.

Length:	Width:	Thickness:	Height of the outlets:
1.2m	0.6m	22mm, 30mm	~20mm



System boards

KR/N 1G

EPS 150, EPS 200

The board is made of EPS polystyrene, over which a thermally formed PS polystyrene film overlay is applied. It has outlets that allow for pipe spacing every 50mm.

Length:	Width:	Thickness:	Height of the outlets:
1.4m	0.8m	11, 20, 30mm	22mm



System boards

KR/N 2G EPS T-040

A board made of dual-density polystyrene with a thermally formed PS film overlay. The board has outlets that allow for pipe spacing every 50mm.

Length:	Width:	Thickness:	Height of the outlets:
1.4m	0.8m	30mm	22mm



Boards

NPS

Plate made from 1mm thick thermoformed polystyrene PS foil without insulation. The board has outlets to allow for pipe spacing every 50mm.

Length:	Width:	Thickness:	Height of the outlets:
1.4m	0.8m	1mm	22mm

Multiple unit package: 14 pieces

TECHNICAL PARAMETERS

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Air is the best

insulator

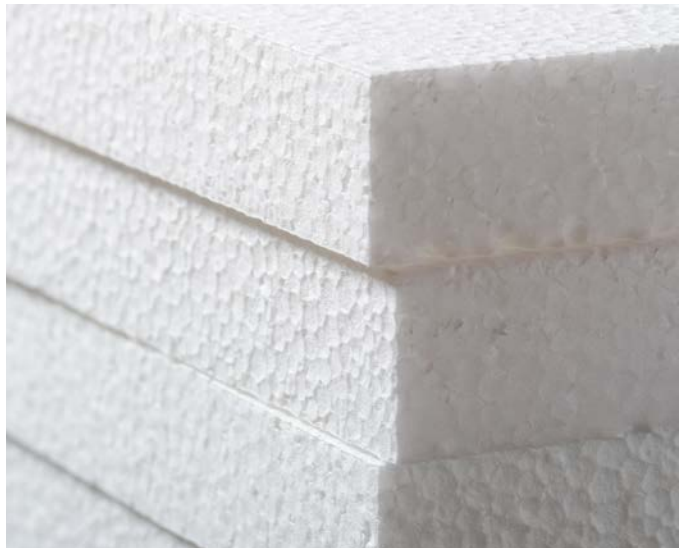
and styrofoam consists of approx. 98% air, thereby providing it with very good insulating properties.

Styrofoam's main component is polystyrene (EPS), a synthetic material that does not age.

Insulation made of styrofoam is extremely durable.

Styrofoam does not absorb water as it is a plastic material.

For this reason, its absorptivity is close to zero. Thanks to this, it remains a great thermal insulator.



ACCESSORIES FOR KR BOARDS

The offer includes products that facilitate and speed up system boards installation.



CLIP TYPE MT
floor clip

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DIAGONAL
45° N-PS

TECHNICAL PARAMETERS
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"KOTAR" EDGE STRIPS

Edge strip is made from foamed polyethylene (LDPE). It is intended for use during the construction of floating floors as separation of the floor and walls, acting as an expansion joint and levelling thermal bridges in floor screeds

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SELF-ADHESIVE EDGE STRIP (WITH ADHESIVE)	32





The width of the edge strip used is dependent on the thickness of the floor's constituent layers and should be chosen so that, after the floor screed has set, the top edge of the strip extends above the surface of the screed. After the screed has hardened, the excess edge strip can be easily torn off, for which purpose incisions are made every 1 cm.

The edge strips are available in different colours, models and sizes to suit any system.

The multipack contains:

150m	250m
6 rolls of 25m	5 rolls of 50m

Edge tape is made of foamed polyethylene of the following dimensions:

Thickness:	Width:	Length:
8mm $\pm$ 10%	13cm, 15cm	25m $\pm$ 2% 50m $\pm$ 2%



Edge strip

WITH OVERLAPS AND NOTCHES

It is made of LDPE foamed polyethylene.

The strip features five notches, spaced approximately 1 cm from the top edge, which allow for easy and precise removal of excess material once the floor has been laid.

It is also fitted with a PE film flap, designed to provide a tight seal where the vertical insulation (edge tape) meets the horizontal insulation (e.g. IZOROL boards).

The product is available in three colours: yellow, blue and grey.



TECHNICAL PARAMETERS

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Edge strip

SELF-ADHESIVE EDGE STRIP (WITH ADHESIVE)

The strip is made of LDPE foamed polyethylene and features a PE film flap to cover the junction between vertical insulation (edge strip) and horizontal insulation (e.g. IZOROL boards).

It has notches approximately every 1 cm from the top edge, allowing for quick removal of excess strip after the screed has been poured.

On the outer side, an glue strip protected by a protective layer is used, which significantly facilitates installation. The strip adheres very well to the surface, ensuring a durable and watertight joint.

The product is available in three colours: yellow, blue and grey.

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TUBE CLAMPS

Clamps ensure correct fixing of floor heating pipes to the insulation board.

The clamps are made from polypropylene.

The clamps come in different sizes, differ in the packaging system (loose or in loads) and also in the number of clamps per pack.



Clamps

ON TAPE

TECHNICAL PARAMETERS

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Welded

CLAMPS

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Clamps

ON WIRE

TECHNICAL PARAMETERS

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CLAMPS

packed in bulk

TECHNICAL PARAMETERS

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45mm



50mm



60mm

NEW

FIXING PINS

Pack contains

150 pins



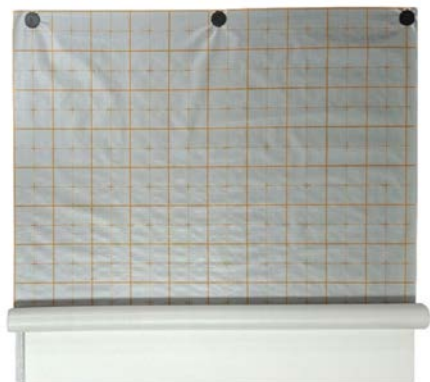
The fixing pins are designed for the quick and secure attachment of fabric and foil to the insulation layer (polystyrene) in underfloor heating systems.

Thanks to their double-pronged design, they provide a secure anchor in the polystyrene and effectively prevent the fabric/foil from shifting or curling during installation, which facilitates precise pipe laying and eliminates the need for adjustments.

The pins are designed for use on construction sites – they do not break when driven in and allow for quick installation without the use of tools.

TECHNICAL PARAMETERS

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UNDERFLOOR HEATING ACCESSORIES

The catalogue includes products
facilitating the installation as well as
increasing safety of operation.



SINGLE PLUG CLAMP

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DOUBLE PLUG CLAMP

TECHNICAL PARAMETERS

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PIPE CLAMP FOR CU PIPE

with a wall anchor and a screw

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DOUBLE PIPE CLAMP FOR CU PIPE

with a wall anchor and a screw

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FAST INSTALLATION CLIPS

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UFH RAIL

TECHNICAL PARAMETERS

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CLIP

to rail

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GUIDING ARCH

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SELF-ADHESIVE TAPE

for underfloor heating boards

TECHNICAL PARAMETERS

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TACKER

TECHNICAL PARAMETERS

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T-80 EXPANSION BEAD MOVEMENT JOINT PROFILE

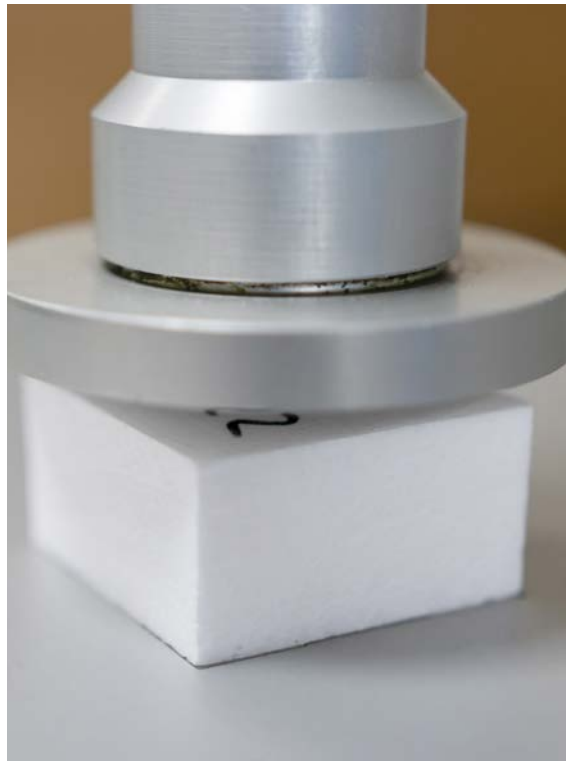
Profile t-80 is meant to fill movement joint slots in vast concrete floors.

- Profile of foamed polyethylene of thickness of 30 kg/1m³ applied in the shape of reversed letter T.

TECHNICAL PARAMETERS

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Quality control

is an INTEGRAL element of our manufacturing process.

The quality of our products is verified during each phase of manufacturing as part of internal inspections conducted by our production personnel as well as quality control experts.

We conduct many inspection and measurement tests at our laboratory to monitor the quality of the products on an on-going basis.



TECHNICAL DATA

INSULATION FOILS AND FABRICS



POLYPROPYLENE

Fabric



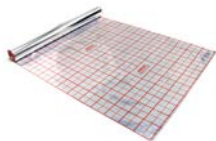
KOTAR NEXT POLYPROPYLENE

Fabric

TECHNICAL SPECIFICATION	STANDARD	UNIT	RESULT	TOLERANCE	UPON CUSTOMER REQUEST
Polypropylene fabric weight	EN ISO 2286-2	g/m ²	55-90	(+/-)10 %	YES
Tensile strength (warp)	EN ISO 13934-1	N/5cm	500-800	(+/-)10 %	YES
Tensile strength (weft)	EN ISO 13934-1	N/5cm	500-800	(+/-)10 %	YES
Elongation (warp)	EN ISO 13934-1	%	20-25	(+/-)10 %	YES
Elongation (weft)	EN ISO 13934-1	%	20-25	(+/-)10 %	YES
Shrinkage 2h - 50°C	EN ISO 13844	%	1	2%>	NO
Shrinkage 2h - 60°C	EN ISO 13844	%	1	2%>	NO
Shrinkage 2h - 70°C	EN ISO 13844	%	1	2%>	NO
Warp ribbon width		mm	3	(+/-)0,15 mm	YES
Width of weft ribbon		mm	4	(+/-)0,15 mm	YES
Colour coating		RAL colour palette	Silver, white (KOTAR NEXT)		YES
Print pattern		layout grid	grid		YES
Colour overprint		Pantone	Orange, green(KOTAR NEXT)		YES
Standard width		mm	1030	+/- 5mm	YES
Core		inches	3		YES

* The column 'Upon customer request' means consultation with our sales representative to confirm the possibility of changes

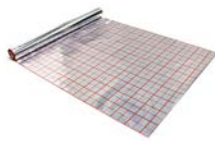
CATALOG NUMBER	PRODUCT	WIDTH	LENGTH	QUANTITY PER PALLET (m ²)
791	Polypropylene fabric	103 cm +- 2%	50m	3500
771	Kotar NEXT	103 cm +- 2%	50m	



Foil for underfloor heating
IZOROL

FEATURE	UNIT	REQUIREMENTS
Thickness	mm	0,130 ± 10%
Width	mm	1050 ± 2%
Weight	g/m ²	116 ± 10%
Roll length	m	50 ± 2%
Tensile strength maximum tensile stress	along	MPa ≥ 18
	across	MPa ≥ 19
Relative elongation atw maximum tensile stress	along	% ≥ 65
	across	% ≥ 7
Watertightness at 2 kPa in 24 hours	-	no leakage

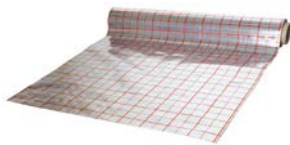
CATALOG NUMBER	THICKNESS (mm)	WIDTH	LENGTH	QUANTITY PER PALLET(m ²)
761	0.13 mm +-10%	105 cm +- 2%	50m	2500



Foil for underfloor heating
IZOFOLEX

FEATURE	UNIT	REQUIREMENTS
Thickness	mm	0,105 ± 10%
Width	mm	1020 ± 2%
Weight	g/m ²	96 ± 10%
Roll length	m	50 ± 2%
Tensile strength maximum tensile stress	along	MPa ≥ 22
	across	MPa ≥ 24
Relative elongation atw maximum tensile stress	along	% ≥ 70
	across	% ≥ 7
Watertightness at 2 kPa in 24 hours	-	no leakage

CATALOG NUMBER	THICKNESS (mm)	WIDTH	LENGTH	QUANTITY PER PALLET(m ²)
750	0.105 mm +-10%	102 cm +- 2%	50m	3500



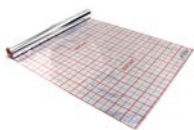
POLYPROPYLENE FABRIC

Metalized

TECHNICAL SPECIFICATION	STANDARD	UNIT	RESULT	TOLERANCE	UPON CUSTOMER REQUEST
Polypropylene fabric weight	EN ISO 2286-2	g/m ²	55-90	(+/-) 10 %	YES
Tensile strength (warp)	EN ISO 13934-1	N/5cm	500-800	(+/-) 10 %	YES
Tensile strength (weft)	EN ISO 13934-1	N/5cm	500-800	(+/-) 10 %	YES
Elongation (warp)	EN ISO 13934-1	%	20-25	(+/-) 10 %	YES
Elongation (weft)	EN ISO 13934-1	%	20-25	(+/-) 10 %	YES
Shrinkage 2h - 50°C	EN ISO 13844	%	1	2%>	NO
Shrinkage 2h - 60°C	EN ISO 13844	%	1	2%>	NO
Shrinkage 2h - 70°C	EN ISO 13844	%	1	2%>	NO
Warp ribbon width		mm	3	(+/-) 0,15 mm	YES
Width of weft ribbon		mm	4	(+/-) 0,15 mm	YES
Metallic colour		RAL colour palette	Silver		YES
Print pattern		layout grid	Grid		YES
Colour overprint		Pantone	Red		YES
Szerokość tkaniny		mm	1030	+/- 5mm	YES
Standard width		Inches	3		YES

* The column 'Upon customer request' means consultation with our sales representative to confirm the possibility of changes

CATALOG NUMBER	WIDTH	LENGTH	QUANTITY PER PALLET (m ²)
798	103 cm +/- 2%	50m	3500

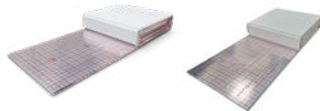


Foil for underfloor heating
IZOTAR

FEATURE		UNIT	REQUIREMENTS
Thickness		mm	0,105 ± 10%
Width		mm	1020 ± 2%
Weight		g/m ²	96 ± 10%
Roll length		m	50 ± 2%
Tensile strength maximum tensile stress	along	MPa	≥ 26
	across		≥ 30
Relative elongation at maximum tensile stress	along	%	≥ 80
	across		≥ 6
Watertightness at 2 kPa in 24 hours		-	no leakage

CATALOG NUMBER	THICKNESS (mm)	WIDTH	LENGTH	QUANTITY PER PALLET(m ²)
797	0.105 mm +/-10%	102 cm +/- 2%	50m	3500

INSULATION BOARDS



Insulation boards

IZOROL-L DUO

IZOROL-L PACK

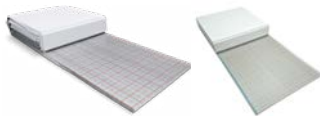
PROPERTY	UNIT	CLASS	REQUIREMENTS
Length	mm	L(3) L(2)	- 1% ; + is not limited ± 2mm
Width	mm	W(2) W(3)	± 2mm ± 0,6% or ± 3 mm
Thickness	mm	T(2) T(1) T(0)	± 2 mm ± 1 mm -0; +10% or 2mm for dL< 35mm -0; +15% or 3mm for dL ≥ 35mm
Squareness	mm/m	S(5) S(2)	± 5 mm/1000 mm ± 2 mm/1000 mm
Flatness	mm	P(10) P(5)	± 10 mm ± 5 mm
Bending strength	kPa	BS50 BS150 BS250	≥ 50 ≥ 150 ≥ 250
Compression stress levels at 10% relative deformation	kPa	CS(10)100 CS(10)200	≥ 100 ≥ 200
Dimensional stability in normal constant laboratory conditions	%	DS(N)5	± 0,5
Dimensional stability in set temperature conditions (70° C, 48h)	%	DS(70,-)2	max 2
Deformation in set compression load and temperature: Load: 20 kPa, temperature: 80 ± 1°, time: 48 ± 1h Load: 40 kPa, temperature: 70 ± 1°, time: 168 ± 1h	%	DLT(1)5 DLT(2)5	≤ 5 ≤ 5
Compressibility	mm	CP2 CP3	≤ 2 ≤ 3
Dynamic stiffness	mMN/m³m	SD 15,20,25,30	≤ 15 ≤ 20 ≤ 25 ≤ 30
Declared thermal conductivity EPS 100, EPS 200, EPS T 040, EPS T 045	W/mK		0,038, 0,034, 0,040, 0,045
Fire reaction		E	

IZOROL-L BOARDS ARE MADE THE FOLLOWING BOARDS IN ACCORDANCE WITH EN 13163:

IZOROL-L EPS 80: insulation boards: EPS - EN 13163-T(1)-L(2)-W(2)-S(2)-P(5)-BS125-CS(10)80- DS(N)2-DS(70,-)2
 IZOROL-L EPS 100 insulation boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-BS150-CS(10)100-DS(N)5-DS(70,-)2-DLT(1)5
 IZOROL-L EPS 200 insulation boards: EPS-EN 13163 T(1)-L(2)-W(2)-S(2)-P(5)-BS250-CS(10)200-DS(N)5-DS(70,-)2-DLT(2)5
 IZOROL-L EPS T 040 insulation boards: EPS-EN 13163 T(0)-L(3)-W(3)-S(5)-P(10)-BS50-DS(N)5-SD(25-30)-CP2
 IZOROL-L EPS T 045 insulation boards: EPS-EN 13163 T(0)-L(3)-W(3)-S(5)-P(10)-BS50-DS(N)5-SD(15-20)-CP3

CATALOG NUMBER										PRODUCT	THICKNESS	DIMENSIONS OF THE PANELS WHEN UNFOLDED		QUANTITY PER PACKAGE	QUANTITY PER PALLET
EPS T 040		EPS T 045		EPS 80		EPS 100		EPS 200				LENGTH X WIDTH [m]	m²		
	PLUS		PLUS		PLUS		PLUS		PLUS						
*	*	*	*	194	201	204	245	*	*	IZOROL-L PACK	20	10 x 1	10	10m²	120m²
*	*	*	*	182	166	202	190	*	*		25				100m²
098	*	152	*	186	395	203	191	206	213		30				80m²
*	*	*	*	*	*	230	*	*	*		40				60m²
*	*	*	*	*	*	*	*	*	*	IZOROL-L DUO	20	2 x 1	2	10m²	120m²
*	*	*	*	*	*	*	*	*	*		25				100m²
*	*	*	*	*	*	184	*	*	*		30				80m²
*	*	*	*	*	*	*	*	*	*		35				70m²
*	*	*	*	*	*	*	*	*	*		40				60m²
*	*	*	*	*	551	185	174	*	*		50				50m²

* The selected product variant is available on request



Insulation boards
IZOROL-PP PACK
IZOROL-PP DUO

PROPERTY	UNIT	CLASS	REQUIREMENTS
Length	mm	L(3) L(2)	- 1% ; + is not limited ± 2mm
Width	mm	W(2) W(3)	± 2mm ± 0,6% or ± 3 mm
Thickness	mm	T(2) T(1) T(0)	± 2 mm ± 1 mm -0; +10% or 2mm for dL< 35mm -0; +15% or 3mm for dL≥ 35mm
Squareness	mm/m	S(5) S(2)	± 5 mm/1000 mm ± 2 mm/1000 mm
Flatness	mm	P(10) P(5)	± 10 mm ± 5 mm
Bending strength	kPa	BS50 BS150 BS250	≥ 50 ≥ 150 ≥ 250
Compression stress levels at 10% relative deformation	kPa	CS(10)100 CS(10)200	≥ 100 ≥ 200
Dimensional stability in normal constant laboratory conditions	%	DS(N)5	± 0,5
Dimensional stability in set temperature conditions (70° C, 48h)	%	DS(70,-)2	max 2
Deformation in set compression load and temperature: Load: 20 kPa, temperature: 80 ± 1°, time: 48 ± 1h Load: 40 kPa, temperature: 70 ± 1°, time: 168 ± 1h	%	DLT(1)5 DLT(2)5	≤ 5 ≤ 5
Compressibility	mm	CP2 CP3	≤2 ≤3
Dynamic stiffness	mMN/m³m	SD 15,20,25,30	≤15 ≤20 ≤25 ≤30
Declared thermal conductivity EPS 100, EPS 200, EPS T 040, EPS T 045	W/mK		0,038, 0,034, 0,040, 0,045
Fire reaction		E	

IZOROL-PP BOARDS ARE MADE THE FOLLOWING BOARDS IN ACCORDANCE WITH EN 13163:

IZOROL-PP EPS 80: insulation board: EPS - EN 13163 T(1)-L(2)-W(2)-S(2)-P(5)-BS125-CS(10)80- DS(N)2-DS(70,-)2
IZOROL-PP EPS 100 insulation boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-BS150-CS(10)100-DS(N)5-DS(70,-)2-DLT(1)5
IZOROL-PP EPS 200 insulation boards: EPS-EN 13163 T(1)-L(2)-W(2)-S(2)-P(5)-BS250-CS(10)200-DS(N)5-DS(70,-)2-DLT(2)5
IZOROL-PP EPS T 040 insulation boards: EPS-EN 13163 T(0)-L(3)-W(3)-S(5)-P(10)-BS50-DS(N)5-SD(25-30)-CP2
IZOROL-PP EPS T 045 insulation boards: EPS-EN 13163 T(0)-L(3)-W(3)-S(5)-P(10)-BS50-DS(N)5-SD(15-20)-CP3

CATALOG NUMBER										PRODUCT	THICKNESS	DIMENSIONS OF THE PANELS WHEN UNFOLDED		QUANTITY PER PACKAGE	QUANTITY PER PALLET
EPS T 040		EPS T 045		EPS 80		EPS 100		EPS 200				LENGTH X WIDTH (m)	m²		
	PLUS		PLUS		PLUS		PLUS		PLUS						
*	*	*	*	*	*	*	*	*	*	IZOROL-PP	20	5 x 1	5	5m²	
*	*	*	*	211	*	316	*	*	*		25				250m²
*	*	*	*	212	*	317	356	333	*		30				230m²
*	*	*	*	*	*	*	*	*	*		35				
*	*	*	*	*	*	318	*	*	*		50				135m²
392	416	396	419	195	*	351	319	*	*	IZOROL-PP PACK	20	10 x 1	10	10m²	120m²
325	437	397	407	181	187	352	144	*	*		25				100m²
394	409	398	415	192	193	353	357	354	*		30				80m²
*	*	399	408	*	*	*	*	*	*		35				70m²
*	*	*	257	*	*	*	*	*	*		40				60m²
372	418	388	*	*	*	043	*	343	*	IZOROL-PP DUO	20	2 x 1	2	10m²	120m²
373	433	389	*	*	*	*	*	*	*		25				100m²
374	406	390	417	*	*	329	436	345	*		30				80m²
326	414	391	434	*	*	*	*	*	*		35				70m²
400	349	401	451	*	*	042	*	*	*		40				60m²
*	*	*	*	*	*	422	435	*	209	50	50m²				

SYSTEM BOARDS



System boards
KR50 1G

PROPERTY	UNIT	CLASS	REQUIREMENTS
Length	mm	L(3)	$\pm 0,6\%$ or $\pm 3\text{ mm}^1$
Width	mm	W(3)	$\pm 0,6\%$ or $\pm 3\text{ mm}^1$
Thickness	mm	T(2)	$\pm 2\text{ mm}$
Squareness	mm/m	S(5)	$\pm 5\text{ mm}/1000\text{ mm}$
Flatness	mm	P(10)	$\pm 10\text{ mm}$
Dimension stability in normal constant laboratory conditions	%	DS(N)2	$\pm 0,2$
Bending strength: EPS 150 EPS 200	kPa	BS200 BS250	≥ 200 ≥ 250
Compression stress levels at 10% relative deformation: EPS 150 EPS 200	kPa	CS(10)150 CS(10)200	≥ 150 ≥ 200
Dimensional stability at specified temperature (70° C, 48h)	%	DS(70,-)1	max 1%
Deformation at specified compression stress and temperature (stress: 40kPa, temperature 70 $\pm$ 1°C, time: 168 $\pm$ 1h)	%	DLT(2)5	≤ 5
Declared thermal conductivity: EPS 150 EPS 200	W/mK		0,035 0,033
Fire reaction		E	
Board dimensions	mm		1200 x 600
Board dimensions incl. overlaps	mm		1220 x 620
Acceptable dimensions of heating pipes	mm		14 - 18
Pipe spacing	mm		50
Multiple unit package: 22mm 30mm	pcs		12 10

¹ The value of highest numerical tolerance

KR50 SYSTEM BOARDS ARE MADE OF EXPANDED POLYSTYRENE IN ACCORDANCE WITH EN 13163:

KR50 1G EPS 150 system boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS200-CS(10)150-DS(70,-)1-DLT(2)5

KR50 1G EPS 200 system boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS250-CS(10)200-DS(70,-)1-DLT(2)5

CATALOG NUMBER		THICKNESS (mm)	BOARD DIMENSIONS		QUANTITY PER PACKAGE	QUANTITY PER PALLET	HEIGHT OF THE OUTLETS
EPS 150	EPS 200		LENGTH X WIDTH (m)	m2			
951	953	22	1,2m x 0,6m	0,72m ²	12 pcs/ 8,64m ²	72 pcs/51,84m ²	20,5mm
952	954	30	1,2m x 0,6m		10 pcs/ 7,2m ²	60 pcs /43,2m ²	



System boards
KR75 1G

PROPERTY	UNIT	CLASS	REQUIREMENTS
Length	mm	L(3)	$\pm 0,6\%$ or $\pm 3 \text{ mm}^1$
Width	mm	W(3)	$\pm 0,6\%$ or $\pm 3 \text{ mm}^1$
Thickness	mm	T(2)	$\pm 2 \text{ mm}$
Squareness	mm/m	S(5)	$\pm 5 \text{ mm}/1000 \text{ mm}$
Flatness	mm	P(10)	$\pm 10 \text{ mm}$
Dimension stability in normal constant laboratory conditions	%	DS(N)2	$\pm 0,2$
Bending strength: EPS 150 EPS 200	kPa	BS200 BS250	≥ 200 ≥ 250
Compression stress levels at 10% relative deformation: EPS 150 EPS 200	kPa	CS(10)150 CS(10)200	≥ 150 ≥ 200
Dimensional stability at specified temperature (70° C, 48h)	%	DS(70,-)1	max 1%
Deformation at specified compression stress and temperature (stress: 40kPa, temperature 70 $\pm$ 1°C, time: 168 $\pm$ 1h)	%	DLT(2)5	≤ 5
Declared thermal conductivity: EPS 150 EPS 200	W/mK		0,035 0,033
Fire reaction		E	
Board dimensions	mm		1200 x 600
Board dimensions incl. overlaps	mm		1220 x 620
Acceptable dimensions of heating pipes	mm		14 - 18
Pipe spacing	mm		75
Multiple unit package: 22mm 30mm	pcs		12 10

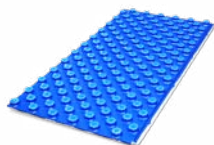
¹ The value of highest numerical tolerance

KR75 SYSTEM BOARDS ARE MADE OF EXPANDED POLYSTYRENE IN ACCORDANCE WITH EN 13163:

KR75 1G EPS 150 system boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS200-CS(10)150-DS(70,-)1-DLT(2)5

KR75 1G EPS 200 system boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS250-CS(10)200-DS(70,-)1-DLT(2)5

CATALOG NUMBER		THICKNESS (mm)	BOARD DIMENSIONS		QUANTITY PER PACKAGE	QUANTITY PER PALLET	HEIGHT OF THE OUTLETS
EPS 150	EPS 200		LENGTH X WIDTH (m)	m2			
963	965	22	1,2m x 0,6m	0,72m ²	12 pcs/ 8,64m ²	72 pcs /51,84m ²	20,5mm
964	966	30	1,2m x 0,6m		10 pcs/ 7,2m ²	60 pcs/43,2m ²	



System boards KR50/L 1G

PROPERTY	UNIT	CLASS	REQUIREMENTS
Length	mm	L(3)	$\pm 0,6\%$ or $\pm 3 \text{ mm}^1$
Width	mm	W(3)	$\pm 0,6\%$ or $\pm 3 \text{ mm}^1$
Thickness	mm	T(2)	$\pm 2 \text{ mm}$
Squareness	mm/m	S(5)	$\pm 5 \text{ mm}/1000 \text{ mm}$
Flatness	mm	P(10)	$\pm 10 \text{ mm}$
Dimension stability in normal constant laboratory conditions	%	DS(N)2	$\pm 0,2$
Bending strength: EPS 150 EPS 200	kPa	BS200 BS250	≥ 200 ≥ 250
Compression stress levels at 10% relative deformation: EPS 150 EPS 200	kPa	CS(10)150 CS(10)200	≥ 150 ≥ 200
Dimensional stability at specified temperature (70° C, 48h)	%	DS(70,-)1	max 1%
Deformation at specified compression stress and temperature (stress: 40kPa, temperature 70 $\pm$ 1°C, time: 168 $\pm$ 1h)	%	DLT(2)5	≤ 5
Declared thermal conductivity: EPS 150 EPS 200	W/mK		0,035 0,033
Fire reaction		F	
Board dimensions	mm		1200 x 600
Board dimensions incl. overlaps	mm		1220 x 620
Acceptable dimensions of heating pipes	mm		14 - 18
Pipe spacing	mm		50
Foil thickness	mm		0,20
Multiple unit package: 22mm 30mm	pcs		12 10

¹ The value of highest numerical tolerance

KR50/L SYSTEM BOARDS ARE MADE OF EXPANDED POLYSTYRENE IN ACCORDANCE WITH EN 13163:

KR50/L 1G EPS 150 system boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS200-CS(10)150-DS(70,-)1-DLT(2)5

KR50/L 1G EPS 200 system boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS250-CS(10)200-DS(70,-)1-DLT(2)5

CATALOG NUMBER		THICKNESS (mm)	BOARD DIMENSIONS		QUANTITY PER PACKAGE	QUANTITY PER PALLET	HEIGHT OF THE OUTLETS
EPS 150	EPS 200		LENGTH X WIDTH (m)	m ²			
blue: 959 white: 955	blue: 961 white: 957	22	1,2m x 0,6m	0,72m ²	12 pcs/ 8,64m ²	72pcs /51,84m ²	20,5mm
blue: 960 white: 956	blue: 962 white: 958	30	1,2m x 0,6m		10pcs/ 7,2m ²	60pcs /43,2m ²	



System boards KR75/L 1G

PROPERTY	UNIT	CLASS	REQUIREMENTS
Length	mm	L(3)	$\pm 0,6\%$ or $\pm 3 \text{ mm}^1$
Width	mm	W(3)	$\pm 0,6\%$ or $\pm 3 \text{ mm}^1$
Thickness	mm	T(2)	$\pm 2 \text{ mm}$
Squareness	mm/m	S(5)	$\pm 5 \text{ mm}/1000 \text{ mm}$
Flatness	mm	P(10)	$\pm 10 \text{ mm}$
Dimension stability in normal constant laboratory conditions	%	DS(N)2	$\pm 0,2$
Bending strength:			
EPS 150	kPa	BS200	≥ 200
EPS 200		BS250	≥ 250
Compression stress levels at 10% relative deformation:			
EPS 150	kPa	CS(10)150	≥ 150
EPS 200		CS(10)200	≥ 200
Dimensional stability at specified temperature (70° C, 48h)	%	DS(70,-)1	max 1%
Deformation at specified compression stress and temperature (stress: 40kPa, temperature 70 $\pm$ 1°C, time: 168 $\pm$ 1h)	%	DLT(2)5	≤ 5
Declared thermal conductivity:			
EPS 150	W/mK		0,035
EPS 200			0,033
Fire reaction		F	
Board dimensions	mm		1200 x 600
Board dimensions incl. overlaps	mm		1220 x 620
Acceptable dimensions of heating pipes	mm		14 - 18
Pipe spacing	mm		75
Foil thickness	mm		0,20
Multiple unit package:			
22mm	pcs		12
30mm			10

¹ The value of highest numerical tolerance

CATALOG NUMBER		THICKNESS (mm)	BOARD DIMENSIONS		QUANTITY PER PACKAGE	QUANTITY PER PALLET	HEIGHT OF THE OUTLETS
EPS 150	EPS 200		LENGTH X WIDTH (m)	m ²			
white: 967	white: 969	22	1,2m x 0,6m	0,72m ²	12pcs / 8,64m ²	72pcs / 51,84m ²	20,5mm
white: 968		30	1,2m x 0,6m		10pcs / 7,2m ²	60pcs / 43,2m ²	



System boards KR/N 1G

PROPERTY	UNIT	CLASS	REQUIREMENTS
Length	mm	L(3)	$\pm 0,6\%$ or $\pm 3 \text{ mm}^1$
Width	mm	W(3)	$\pm 0,6\%$ or $\pm 3 \text{ mm}^1$
Thickness	mm	T(2)	$\pm 2 \text{ mm}$
Squareness	mm/m	S(5)	$\pm 5 \text{ mm}/1000 \text{ mm}$
Flatness	mm	P(10)	$\pm 10 \text{ mm}$
Dimension stability in normal constant laboratory conditions	%	DS(N)2	$\pm 0,2$
Bending strength: EPS 150 EPS 200	kPa	BS200 BS250	≥ 200 ≥ 250
Compression stress levels at 10% relative deformation: EPS 150 EPS 200	kPa	CS(10)150 CS(10)200	≥ 150 ≥ 200
Dimensional stability at specified temperature (70° C, 48h)	%	DS(70,-)1	max 1%
Deformation at specified compression stress and temperature (stress: 40kPa, temperature 70 $\pm$ 1°C, time: 168 $\pm$ 1h)	%	DLT(2)5	≤ 5
Declared thermal conductivity EPS 150 EPS 200	W/mK		0,035 0,033
Fire reaction		F	
Board dimensions	mm		1400 x 800
Board dimensions incl. overlaps	mm		1450 x 850
Acceptable dimensions of heating pipes	mm		14 - 18
Pipe spacing	mm		50
Foil thickness	mm		0,60
Multiple unit package: 11mm 20mm 30mm	pcs		14 10 10

¹ The value of highest numerical tolerance

KR/N SYSTEM BOARDS ARE MADE OF EXPANDED POLYSTYRENE IN ACCORDANCE WITH EN 13163:

KR/N 1G EPS 150 system boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS200-CS(10)150-DS(70,-)1-DLT(2)5

KR/N 1G EPS 200 system boards: EPS-EN 13163 T(2)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS250-CS(10)200-DS(70,-)1-DLT(2)5

CATALOG NUMBER		THICKNESS (mm)	BOARD DIMENSIONS		QUANTITY PER PACKAGE	QUANTITY PER PALLET	HEIGHT OF THE OUTLETS
EPS 150	EPS 200		LENGTH X WIDTH (m)	m2			
983	975	11	1,4m x 0,8m	1,12m ²	14pcs/ 15,68m ²	112pcs/ 125,44m ²	22mm
994	995	20	1,4m x 0,8m		10pcs/ 11,20m ²	80pcs/ 89,6m ²	
984	976	30	1,4m x 0,8m		10pcs/ 11,20m ²	60pcs/ 67,2m ²	



System boards KR/N 2G

PROPERTY	UNIT	CLASS	REQUIREMENTS
Length	mm	L(3)	$\pm 0,6\%$ or ± 3 mm ¹
Width	mm	W(3)	$\pm 0,6\%$ or ± 3 mm ¹
Thickness	mm	T(0)	(-0mm; +10% lub 2mm)
Squareness	mm/m	S(5)	± 5 mm/1000 mm
Flatness	mm	P(10)	± 10 mm
Dimension stability in normal constant laboratory conditions	%	DS(N)2	$\pm 0,2$
Bending strength:	kPa	BS100	≥ 100
Dynamic stiffness	MN/m ³	SD30	≤ 30
Compressibility	mm	CP2	≤ 2 mm
Declared thermal conductivity	W/mK		0,040
Fire reaction		F	
Board dimensions	mm		1400 x 800
Board dimensions incl. overlaps	mm		1450 x 850
Acceptable dimensions of heating pipes	mm		14 - 18
Pipe spacing	mm		50
Foil thickness	mm		0,6
Multiple unit package:	pcs		10

¹ The value of highest numerical tolerance

KR/N 2G SYSTEM BOARDS ARE MADE OF EXPANDED POLYSTYRENE IN ACCORDANCE WITH EN 13163:

KR/N 2G EPS T 040 system boards: EPS-EN 13163 T(0)-L(3)-W(3)-S(5)-P(10)-DS(N)2-BS100-SD30-CP2

CATALOG NUMBER	THICKNESS [mm]	BOARD DIMENSIONS		QUANTITY PER PACKAGE	QUANTITY PER PALLET	HEIGHT OF THE OUTLETS
		LENGTH X WIDTH [m]	m ²			
978	30	1,4m x 0,8m	1,12m ²	10pcs/11,2m ²	60pcs/67,2m ²	22mm



Boards N-PS

PROPERTY	UNIT	REQUIREMENTS
Length	mm	1400
Width	mm	800
Length with an overlap	mm	1450
Width with an overlap	mm	850
Thickness	mm	1
Height of the outlet	mm	22
Acceptable dimensions of heating pipes	mm	14 - 18
Pipe spacing	mm	50
Catalog number		987

ACCESSORIES FOR KR BOARDS



DIAGONAL
45° N-PS

CATALOG NUMBER	DIMENSIONS	MULTIPLE UNIT PACKAGE
981	140mm x 70mm x 0,60mm	40 pcs.



CLIP TYPE MT
FLOOR CLIP

CATALOG NUMBER	DIMENSIONS	MULTIPLE UNIT PACKAGE
939	28mm x 90mm x 14mm	100 pcs

EDGE STRIPS



Edge strip
WITH AN OVERLAP AND NOTCHES

TECHNICAL SPECIFICATION				
Thickness	8mm +10%			
Colour	yellow		blue	grey
Width	15cm ± 5%		15cm ± 5%	13cm ± 5%
Length	25m ± 2%	50m ± 2%	25m ± 2%	25m ± 2%
Packaging	6pcs (150m)	5pcs (250m)	6pcs (150m)	6pcs (150m)
Catalog number	665	667	635	605



Edge strip
**SELF-ADHESIVE EDGE STRIP
(WITH ADHESIVE)**

TECHNICAL SPECIFICATION			
Thickness	8mm +10%		
Colour	yellow	blue	grey
Width	15cm ± 5%	15cm ± 5%	13cm ± 5%
Length	25m ± 2%	25m ± 2%	25m ± 2%
Packaging	6pcs (150m)	6pcs (150m)	6pcs (150m)
Catalog number	669	639	613

SYSTEM SR



Insulation boards
IZOROL-SR
EPS 200



Insulation boards
IZOROL-SR/KL
EPS 200

For the production of insulation boards IZOROL- SR EPS 2002 and IZOROL- SR/KL EPS 2003 styrofoam boards are used according to EN 13163:

EPS-EN 13163 T(1)-L(2)-W(2)-S(2)-P(5)-BS250-CS(10)200-DS(N)5-DS(70,-)2-DLT(2)5 for thickness: 10-15mm

PROPERTY	UNIT	CLASS	REQUIREMENTS*	MEASURED VALUES
Length	mm	L(2)	± 2 mm	--
Width	mm	W(2)	± 2 mm	--
Thickness	mm	T(1)	± 1 mm	--
Squareness	mm/m	S(2)	± 2 mm/1000 mm	--
Flatness	mm	P(5)	5mm	--
Bending strength	kPa	BS250	≥ 250	--
Levels for compressive stress at 10% deformation	kPa	CS(10)200	≥ 200	239,3 for 10mm**
Dimensional stability under constant normal laboratory conditions	%	DS(N)5	± 0,5	--
Dimensional stability under specified temperature and humidity conditions (70° C, 48h)	%	DS(70,-)2	max 2%	--
Deformation under specified compressive load and temperature conditions (load: 40kPa, temperature: 70 ± 1°C, time: 168 ± 1h)	%	DLT(2)5	≤ 5'	--
Declared thermalconductivity	W/mK	--	0,034	0,0308 for 10mm**
Maximum permissible load (compressive stress at 20% deformation per 1m² of the product)	kN	--	--	3,824 for 10mm***
Reaction to fire	--	E	--	--
Dimensions of the board IZOROL-SR EPS 200	mm	--	2000 x 1000	--
Dimensions of the board IZOROL-SR/KL EPS 200	mm	--	1000 x 1000	--

* At thicknesses < 20mm the requirement is 1mm instead of 5%

* According to EN 13163:2012 + A1:2015 standard

** Values measured in the Kotar laboratory under the project: „Kotar SR insulation and renovation system“

*** Values measured in the Wrocław University of Technology under the project: „Kotar SR insulation and renovation system“

² IZOROL- SR EPS 200 - EPS 200 boards to which the polypropylene fabric is glued

³ IZOROL- SR/KL EPS 200 – boards with an additional layer of glue on the bottom layer, covered with siliconized foil. KL- stands for an additional adhesive layer

CATALOG NUMBER	PRODUCT	THICKNESS (mm)	LENGTH X WIDTH (m)	SURFACE AREA (m²)	QUANTITY PER PACKAGE	QUANTITY PER PALLET (m²)
280	IZOROL SR	10	2 x 1	2	20m²	280
281		12	2 x 1	2	20m²	240
282		15	2 x 1	2	20m²	180
286	IZOROL SR/KL	10	1 x 1	1	20m²	280
287		12	1 x 1	1	20m²	240
288		15	1 x 1	1	20m²	180



TACKER

for Welded Clamps SR



WELDED CLAMPS SR

PROPERTY	UNIT	REQUIREMENTS
Length	mm	≈30
Width	mm	≈35
Thickness	mm	max 9,1
Acceptable dimensions of heating pipes	mm	max 17
The value of the force of detaching the clips from the insulation board – lengthwise	N	149,7*
The value of the force of detaching the clips from the insulation board – across	N	142,5*
Catalog number	869	

* Values measured in the Kotar laboratory under the project: „Kotar SR insulation and renovation system“

CATALOG NUMBER	COLOUR	PACKAGING
932	silver	1 pcs



Insulation boards
IZOROL-SR
EPS T



Insulation boards
IZOROL-SR/KL
EPS T

For the production of insulation boards IZOROL- SR EPS T2 and IZOROL- SR/KL EPS T3 styrofoam boards are used according to EN 13163:

EPS-EN 13163 T(1)-L(3)-W(3)-S(5)-P(10)-BS50-DS(70,-)J5-SD20-CP2 for thickness: 10-12mm

EPS-EN 13163 T(0)-L(3)-W(3)-S(5)-P(10)-BS50-DS(70,-)J5-SD20-CP2 for thickness: 15mm

PROPERTY	UNIT	CLASS	REQUIREMENTS*	MEASURED VALUES
Lenght	mm	L(3)	± 0,6% or ± 3 mm ¹	--
Width	mm	W(3)	± 0,6% or ± 3 mm ¹	--
Thickness	mm	T(1)	-5% or -1mm ¹ ; +15% or 3mm ¹	--
		T(0)	-0; +10% or 2mm for dL<35mm -0; +15% or 3mm for dL≥ 35mm	--
Squareness	mm/m	S(5)	± 5 mm/1000 mm	--
Flatness	mm	P(10)	10 mm	--
Bending strength	kPa	BS50	≥ 50	--
Dimensional stability under specified temperature and humidity conditions (70° C, 48h)	%	DS(70,-)J5	max 5%	--
Compressibility	mm	CP2	≤ 2	--
Dynamic stiffness	MN/1m ³	SD20	≤ 20	SD17 for 15mm; ≤ 17
Declared thermal conductivity	W/mK	--	0,040	--
Reaction to fire	--	E	--	--
Dimensions of the board IZOROL-SR EPS T	mm	--	2000 x 1000	--
Dimensions of the board IZOROL-SR/KL EPS T	mm	--	1000 x 1000	--

¹ Whichever gives the greatest numerical tolerance

* According to EN 13163:2012 +A1:2015 standard

** Values measured in the Kotar laboratory under the project: „Kotar SR insulation and renovation system“

³ IZOROL- SR EPS T- EPS T boards to which the polypropylene fabric is glued

³ IZOROL- SR/KL EPS T- boards with an additional layer of glue on the bottom layer, covered with siliconized foil. KL- stands for an additional adhesive layer

CATALOG NUMBER	PRODUCT	THICKNESS (mm)	LENGTH X WIDTH (m)	SURFACE AREA (m ²)	QUANTITY PER PACKAGE	QUANTITY PER PALLET (m ²)
283	IZOROL SR	10	2 x 1	2	20m ²	280
284		12	2 x 1	2	20m ²	240
285		15	2 x 1	2	20m ²	180
289	IZOROL SR/KL	10	1 x 1	1	20m ²	280
290		12	1 x 1	1	20m ²	240
291		15	1 x 1	1	20m ²	180

TUBE CLAMPS



CLAMPS

packed in bulk

CATALOG NUMBER	SIZE (mm)	QUANTITY PER PACKAGE	COLOR
897	38	300pcs	blue
830	45	100pcs	black
833	45	200pcs	black
938	60	100pcs	black



TUBE CLAMPS

in stapler loads

CATALOG NUMBER	PRODUCT	SIZE (mm)	QUANTITY PER PACKAGE	PACKAGING	COLOR
852	Welded clamps	45	500pcs	10 loads of 50 pcs	black
722		50	250pcs	10 loads of 25 pcs	black
937		60	500pcs	20 loads of 25 pcs	black
848	Clamps on wire	45	500pcs	10 loads of 50 pcs	black
857	Clamps on tape	45	500pcs	10 loads of 50 pcs	black

FIXING PINS



CATALOG NUMBER	COLOUR	PACKAGING
523	black	150pcs (3000pcs – 20x150pcs)

ACCESSORIES



SINGLE PLUG CLAMP

CATALOG NUMBER	SIZE (mm)	COLOUR	PACKAGING
523	8 x 48	white	100pcs
903	8 x 77	white	100pcs
904	10 x 100	white	100pcs



DOUBLE PLUG CLAMP

CATALOG NUMBER	SIZE (mm)	COLOUR	PACKAGING
905	8 x 48	white	100pcs
906	8 x 77	white	100pcs
907	10 x 100	white	100pcs



PIPE CLAMP FOR CU PIPE

a wall anchor and a screw

CATALOG NUMBER	SIZE (mm)	COLOUR	PACKAGING
916	15	white	50pcs
917	18	white	50pcs
918	22	white	50pcs
919	28	white	50pcs



DOUBLE PIPE CLAMP FOR CU PIPE

a wall anchor and a screw

CATALOG NUMBER	SIZE (mm)	COLOUR	PACKAGING
922	15	white	50pcs
923	18	white	50pcs
924	22	white	50pcs
925	28	white	50pcs



FAST MONTAGE CLIPS

CATALOG NUMBER	SIZE (mm)	COLOUR	PACKAGING
816	37	red	100pcs



UHF RAIL

CATALOG NUMBER	SIZE (mm)	LENGTH	COLOUR	PACKAGING
733	16-18	100 cm	black	100pcs / 1m.

The rail is also available in a self-adhesive version



CLIP
to rail

CATALOG NUMBER	SIZE (mm)	COLOUR	PACKAGING
930	45	red	100pcs



GUIDING ARCH

CATALOG NUMBER	SIZE (mm)	COLOUR	PACKAGING
734	14-18mm	black	100pcs



SELF-ADHESIVE TAPE

for underfloor heating boards

CATALOG NUMBER	SIZE (mm)	COLOUR	PACKAGING
901	48mm x 60m	white	1pcs



TACKER

CATALOG NUMBER	COLOUR	PACKAGING
900	Silver	1pcs



T-80 EXPANSION BEAD MOVEMENT JOINT PROFILE

CATALOG NUMBER	HEIGHT	WIDTH	LENGTH
892	80mm	30mm	2000mm

As part of the company's development, we launched a state-of-the-art weaving department to supply our customers with coated fabrics and agro fabrics.



DATA

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