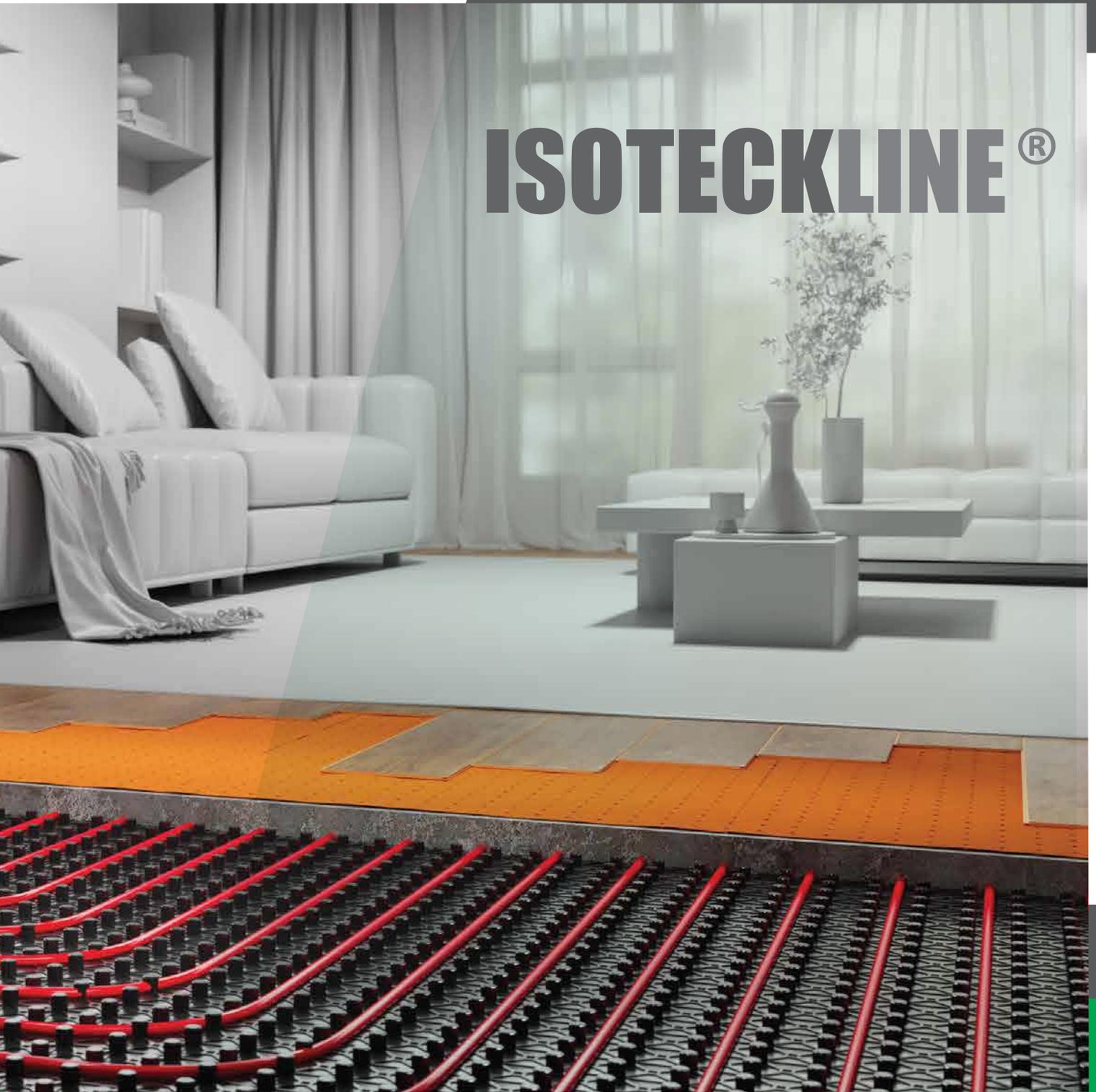


# ISOTECKLINE®



## PRODUCT CATALOG

LESS EFFORT.  
MORE EFFICIENCY.  
MORE VALUE!



# PROFESSIONAL INSULATING MATERIALS



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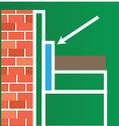
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## ISOTECKLINE - Professional Insulation for Construction

The ISOTECKLINE project was developed by the INATECH group over a period of two years (2018 – 2019) with the aim of offering its clients professional solutions in the field of construction insulation. Originally called *Phoenix* during the concept phase, this 100% Romanian project is our alternative to the traditional and poor-quality insulation materials used in construction. Passing all international tests and

requirements of the European Association of Laminate Flooring Manufacturers (EPLF) and the European Association of Multi-Layer Modular Parquet Manufacturers (MMFA), we have been able to offer our customers a portfolio of products that is based on essential qualities and convinces with the highest quality “**Made in Romania**”.

### ONE SOURCE



### PRODUCTION



### LOGISTICS



### SHIPMENT



Our portfolio is not characterized by a great range of products, but by a few top-of-the-line items for which there is practically no competition in terms of quality. Everything is clear and structured, logical, without product cannibalism. This makes sales and purchases clear and simple, keeps storage costs low, creates

security for traders and customers, and ultimately offers real added value. The innovative Isoteckline product range is based on the latest technologies, considering the environment and product characteristics improvement, meeting the ISO 9001 quality system.

**ISOTECKLINE**®  
PROFESSIONAL UNDERLAY

PART  
OF

**INATECH**®  
Group

**INATECH**®  
Packaging Supplies & Equipment

**IFORM AG**®  
Intelligent Foam

**ISOTECKLINE**®  
PROFESSIONAL UNDERLAY

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 Oradea, BIHOR | Anghel Saligny 40, Zip code: 410085

SCAN ME  
FOR VIDEO 



# FLOORING UNDERLAY INSULATION

**Premium Range**

**Supreme Range**



# FLOOR INSULATION



## DPM MEMBRANE ROLL

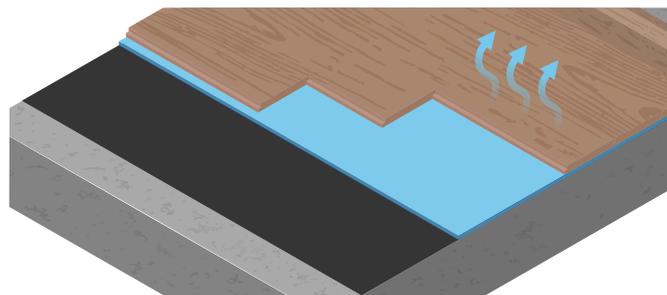
EP Foil vapor barrier for floors is ideal for installing laminate or multi-layered wood flooring and for all types of flooring, including concrete pouring.

### Installation recommendation:

In all situations where there is a risk of residual moisture in the screed (newly built houses, under concrete slabs or raft foundations, renovations with freshly poured screeds, renovations where the room has been painted shortly before installing the flooring, basements, or spaces in the basement of buildings).

In the case of solid wood substrates, a vapor barrier is not necessary because they need to be adequately ventilated to prevent moisture build-up.

If ventilation is blocked, under the floating floor a favourable environment for microorganisms is created, and the solid wood substrate deteriorates. Hence the need for substrate ventilation and the preservation or creation of gaps for ventilation. Additionally, arranging new flooring planks should be done transversely over the existing floor planks.



### RECOMMENDED FOR:

CONCRETE



MULTILAYER FLOORING



LAMINATED FLOORING



ATTICS



MECHANICAL SCREED



150  
my



SKU:  
13481

MADE IN  
ROMANIA

2.5  
m  
Width

8  
m  
Length

0.15  
mm  
Thickness

20  
m<sup>2</sup>  
Surface

COLOR	Black
SIZES	8000 mm x 2500 mm
SPECIFIC WEIGHT	(D) 140 g/mp
RAW MATERIAL	LDPE
POLYETHYLENE CALORIC VALUE	(MJ/kg) 43
LONGITUDINAL TENSILE STRENGTH	(daN/cm <sup>2</sup> ) 135 minimum
TRANSVERSE TENSILE STRENGTH	(daN/cm <sup>2</sup> ) 117 minimum
LONGITUDINAL ELONGATION AT BREAK	(%) 225 minimum
TRANSVERSE ELONGATION AT BREAK	(%) 315 minimum
LONGITUDINAL TEAR RESISTANCE	(daN/cm <sup>2</sup> ) 45 minimum
TRANSVERSE TEAR RESISTANCE	(daN/cm <sup>2</sup> ) 36 minimum
COMBUSTION CLASS	A

## PREMIUM RANGE



## MD ROLL 2.5 MM

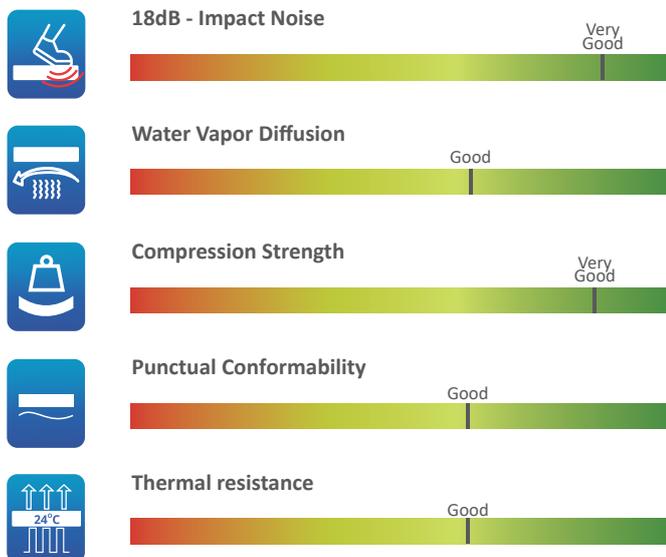
The product is obtained by extruding and expanding polyethylene granules into cells with a spatially closed structure, in a controlled atmosphere and technical conditions, under the influence of temperature and with butane gas as foaming agent.

The product is part of the polymer category, characterized by high elasticity, low liquid permeability, high thermal conductivity, as well as sound-absorbing properties, with long-term resistance, being rot-proof and insensitive to the action of insects and rodents. It is an eco-friendly product, does not contain toxic substances harmful to the body, and does not emit radiations, being 100% recyclable.



SKU:  
15687

**PREMIUM MD ROLL 2.5 mm** is a product with medium density, recommended for the installation of laminate flooring, which benefits from a perfectly straight support. It is presented in roll form, which provides a quick installation.



DENSITY	(D) 65 kg/m <sup>3</sup>
PUNCTUAL CONFORMABILITY	(PC) 1.8 mm
STATIC COMPRESSIVE STRENGTH	(CS) 25-28 kPa
COMPRESSION STRENGTH	(CC) 2 kPa
THERMAL RESISTANCE	(TR) 0.05 m <sup>2</sup> K/W
THERMAL CONDUCTIVITY	0.0385 W/mK
IMPACT NOISE	18 dB
DYNAMIC LOADING DL <sub>25</sub> OF USE	~20000 Cycles
OPERATING TEMPERATURE	-40 ... 80 °C

RECOMMENDED FOR:  LAMINATED FLOORING  MULTILAYER FLOORING  PVC FLOORING

# FLOOR INSULATION



**3 IN 1**  
ADHESIVE TAPE  
SUPPORT LAYER  
VAPOR BARRIER

**WATER PROOF**



**PREMIUM RANGE**

## MD AQUA STOP ROLL 1.8 MM

The product is obtained by extruding and expanding polyethylene granules into cells with a spatially closed structure, in a controlled atmosphere and technical conditions, under the influence of temperature and with butane gas as foaming agent.

The product is part of the polymer category, characterized by high elasticity, low liquid permeability, high thermal conductivity, as well as sound-absorbing properties, with long-term resistance, being rot-proof and insensitive to the action of insects and rodents. It is an eco-friendly product, does not contain toxic substances harmful to the body, and does not emit radiations, being 100% recyclable.

**1.8 mm**

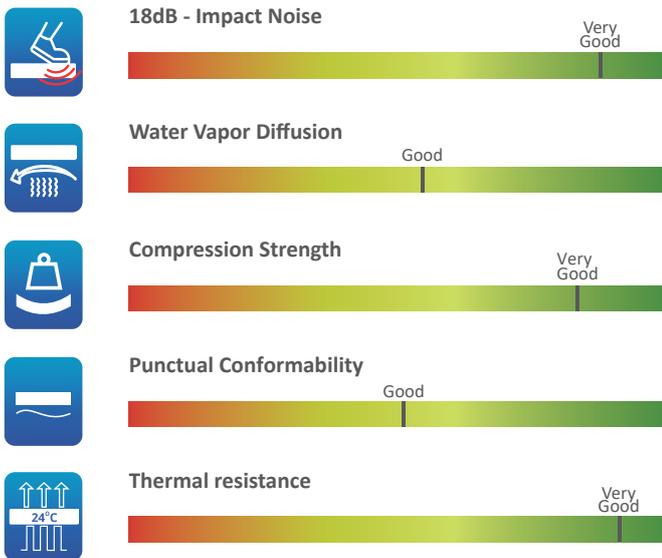
**MADE IN ROMANIA**



SKU: 15688

**PREMIUM MD AQUA STOP ROLL 1.8 mm** is a 2 in 1 product with medium density, formed of expanded polyethylene and a vapor barrier, recommended for installing laminate flooring that has a slightly uneven subfloor. The product comes in the form of a roll with a flap and adhesive tape for joining, which allows a quick installation.

Width: 1 m | Length: 12.5 m | Thickness: 1.8 mm | Surface: 12.5 m<sup>2</sup> | Quantity/pallet: 600 m<sup>2</sup>



<b>DENSITY</b>	(D) 65 kg/m <sup>3</sup>
<b>PUNCTUAL CONFORMABILITY</b>	(PC) 1.0-1.2 mm
<b>STATIC COMPRESSIVE STRENGTH</b>	(CS) 35 kPa
<b>COMPRESSION STRENGTH</b>	(CC) 2<CC1<50 kPa
<b>THERMAL RESISTANCE</b>	(TR) 0.04 m <sup>2</sup> K/W
<b>THERMAL CONDUCTIVITY</b>	0.04 W/mK
<b>IMPACT NOISE</b>	18 dB
<b>DYNAMIC LOADING DL<sub>25</sub> OF USE</b>	~25000 Cycles
<b>WATER VAPOR DIFFUSION</b>	(SD) <75 M

RECOMMENDED FOR: **LAMINATED FLOORING**  **MULTILAYER FLOORING**  **PVC FLOORING**

## PREMIUM RANGE



## MD SILVER ROLL 1.6 MM

The product is obtained by extruding and expanding polyethylene granules into cells with a spatially closed structure, in a controlled atmosphere and technical conditions, under the influence of temperature and with butane gas as foaming agent.

The product is part of the polymer category, characterized by high elasticity, low liquid permeability, high thermal conductivity, as well as sound-absorbing properties, with long-term resistance, being rot-proof and insensitive to the action of insects and rodents. It is an eco-friendly product, does not contain toxic substances harmful to the body, and does not emit radiations, being 100% recyclable.

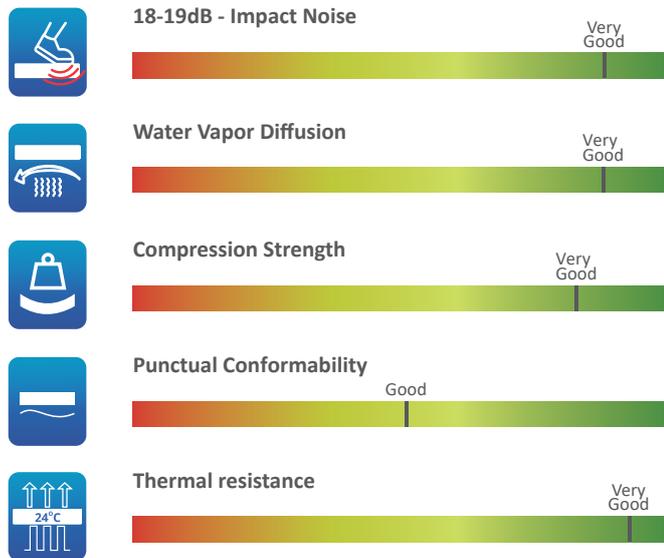
1.6 mm



SKU: 15689

**PREMIUM MD SILVER ROLL 1.6 mm** is a 3 in 1 product with medium density, vapor barrier, and reflective layer, recommended for installing laminate flooring, which benefits from a perfectly flat support. It can also be installed under the underfloor heating systems, ensuring efficient heat transfer to the room. The product comes in the form of a roll with a flap and adhesive tape for joining, which allows a quick installation.

1 m	12.5 m	1.6 mm	12.5 m <sup>2</sup>	750 m <sup>2</sup>
Width	Length	Thickness	Surface	Quantity/pallet



DENSITY	(D) 65 kg/m <sup>3</sup>
PUNCTUAL CONFORMABILITY	(PC) 1.0 mm
STATIC COMPRESSIVE STRENGTH	(CS) 35 kPa
COMPRESSION STRENGTH	(CC) 2-10 kPa
THERMAL RESISTANCE	(TR) 0.04 m <sup>2</sup> K/W
THERMAL CONDUCTIVITY	0.042 W/mK
IMPACT NOISE	18-19 dB
WATER VAPOR DIFFUSION	(SD) 230 m
OPERATING TEMPERATURE	-40 ... 80 °C

RECOMMENDED FOR:  LAMINATED FLOORING  MULTILAYER FLOORING  PVC FLOORING

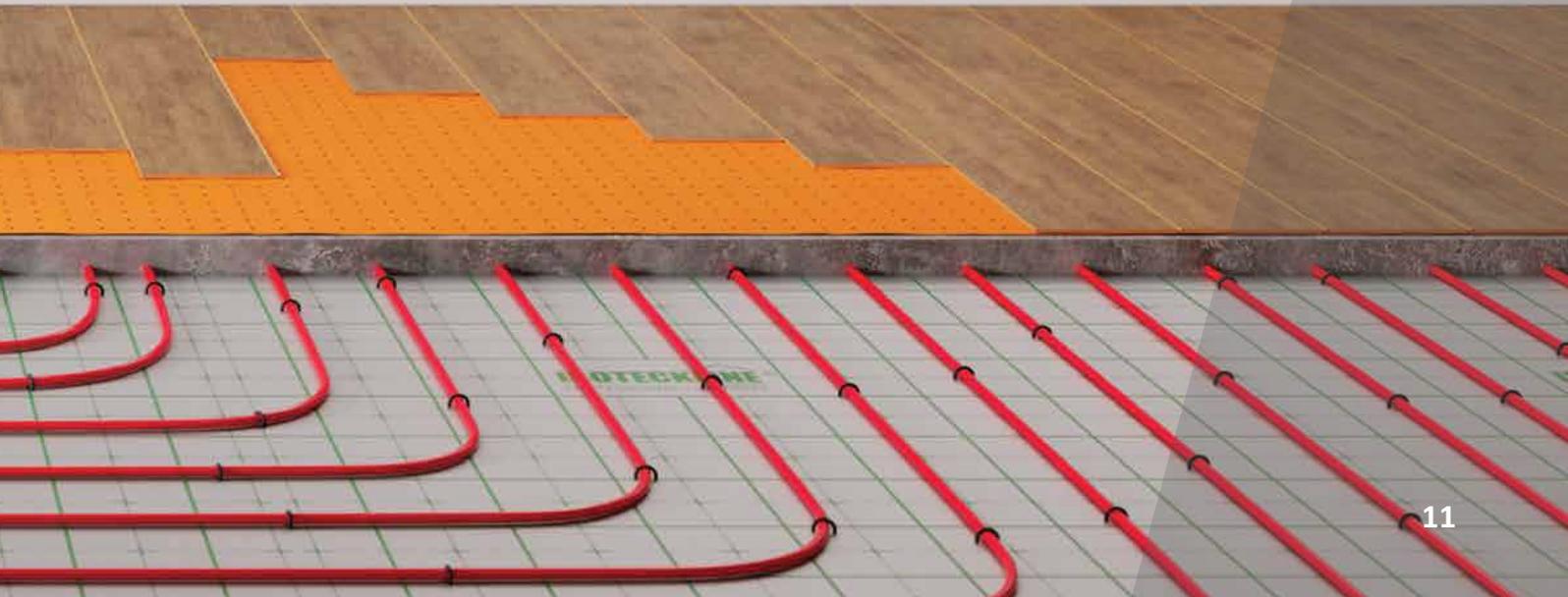
# PREMIUM RANGE



# FLOOR INSULATION

Premium Range

Supreme Range



# FLOOR INSULATION

**SUPREME RANGE**



## THERMO X INSULATION 1.5 MM

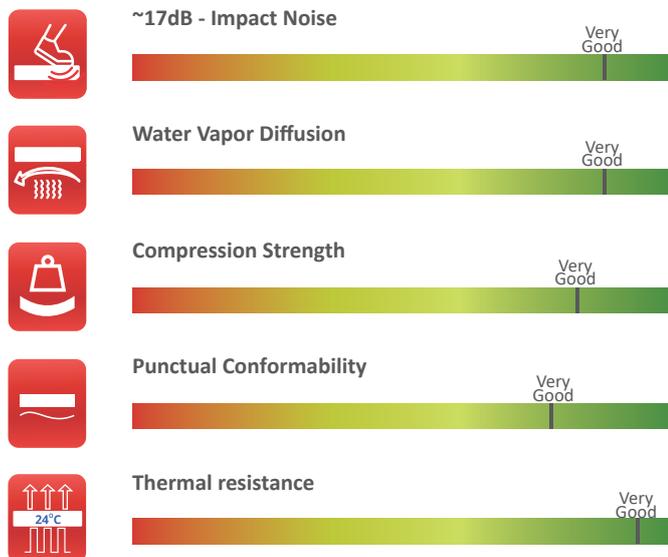


SKU:  
16273

The patented acoustic system “Laminate1.5SD” was designed specifically for installations mounted under laminate floors, parquet floors and especially under heated floors. As a high-class system for reducing impact noise and walking noise, “Laminate 1.5SD” consists of 90% natural raw materials and is supplied in rolls for convenient and efficient assembly.

Permanent elastic coating material made of mineral fillers and polyurethane binders. “Laminate 1.5SD” consists of AL PET film applied over a layer of resistant polyurethane, as well as a high class HDPE foil (transparency).

The product does not contain solvents and does not contain other substances that can negatively influence the environment. The renewable resources used in the product do not interfere with food crops (during growth). “Laminate1.5SD” does not contain plasticizers, asbestos, formaldehyde, halogens and heavy metals. It follows the French guidelines for VOCs, Blue Angel and the German AGBB scheme.



PUNCTUAL CONFORMABILITY	(PC) 0.9 mm
STATIC COMPRESSIVE STRENGTH	(CS) ~290 kPa
COMPRESSION STRENGTH	(CC) ~72 kPa
THERMAL RESISTANCE	(TR) 0.01 m²K/W
IMPACT NOISE	~17 dB
WATER VAPOR DIFFUSION	(SD) >75 m
DYNAMIC LOADING DL <sub>25</sub> OF USE	>4.000.000 Cycles

RECOMMENDED FOR:  LAMINATED FLOORING  MULTILAYER FLOORING  PVC FLOORING

## SUPREME RANGE



## MD MAX ROLL 2 MM

The product is obtained by extruding and expanding polyethylene granules into cells with a spatially closed structure, in a controlled atmosphere and technical conditions, under the influence of temperature and with butane gas as foaming agent.

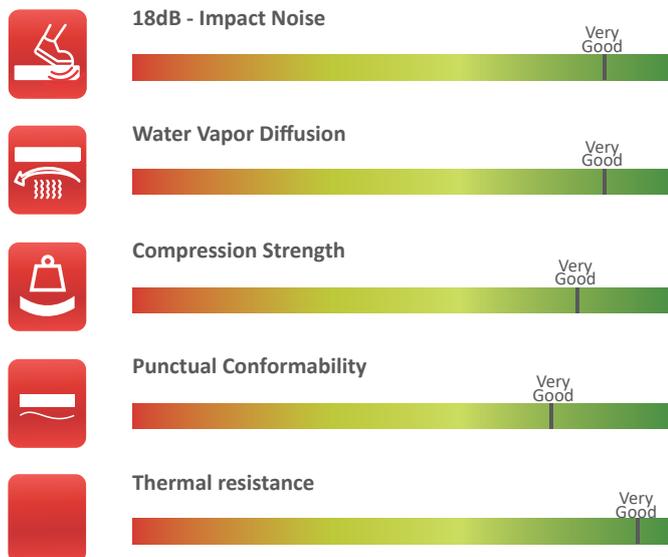
The product is part of the polymer category, characterized by high elasticity, low liquid permeability, high thermal conductivity, as well as sound-absorbing properties, with long-term resistance, being rot-proof and insensitive to the action of insects and rodents. It is an eco-friendly product, does not contain toxic substances harmful to the body, and does not emit radiations, being 100% recyclable.



SKU:  
15690

**SUPREME MD MAX ROLL 2 mm** is a 2 in 1 product with high density, formed of expanded polyethylene and a vapor barrier, recommended for installing laminate flooring that has an even subfloor. It can also be installed under the underfloor heating systems, ensuring efficient heat transfer to the room. The product comes in the form of a roll with a flap and adhesive tape for joining, which allows a quick installation.

1 m	12.5 m	2 mm	12.5 m <sup>2</sup>	600 m <sup>2</sup>
Width	Length	Thickness	Surface	Quantity/pallet



<b>DENSITY</b>	(D) 65 kg/m <sup>3</sup>
<b>PUNCTUAL CONFORMABILITY</b>	(PC) 1.2-1.5 mm
<b>STATIC COMPRESSIVE STRENGTH</b>	(CS) 22-28 kPa
<b>COMPRESSION STRENGTH</b>	(CC) 2-10 kPa
<b>THERMAL RESISTANCE</b>	(TR) 0.05 m <sup>2</sup> K/W
<b>THERMAL CONDUCTIVITY</b>	0.039 W/mK
<b>IMPACT NOISE</b>	18 dB
<b>WATER VAPOR DIFFUSION</b>	(SD) 126 m
<b>DYNAMIC LOADING DL<sub>25</sub> OF USE</b>	~25000 Cycles

RECOMMENDED FOR:

LAMINATED FLOORING

MULTILAYER FLOORING

PVC FLOORING

# FLOOR INSULATION



## LVT CLICK UHD ANTISLIP ROLL

The product is obtained by extruding and expanding polyethylene granules into cells with a spatially closed structure, in a controlled atmosphere and technical conditions, under the influence of temperature and with butane gas as foaming agent.

The product is part of the polymer category, characterized by high elasticity, low liquid permeability, high thermal conductivity, as well as sound-absorbing properties, long-term resistance over, being rot-proof and insensitive to the action of insects and rodents. It is an eco-friendly product, does not contain toxic substances harmful to the body, and does not emit radiations, being 100% recyclable.

1  
mm

**MADE IN ROMANIA**

m  
m  
f  
a

Quality and innovation made in Europe

SKU:  
**15430**

**SUPREME LVT CLICK UHD ANTISLIP ROLL 1 mm** is a product with extremely high density, laminated with an anti-slip film, recommended for installing PVC, SPC, LVT flooring that has a perfectly flat support. It can also be installed under the underfloor heating systems, ensuring efficient heat transfer to the room. The product comes in the form of a roll, which allows a quick installation.

**1**  
m

Width

**15**  
m

Length

**1**  
mm

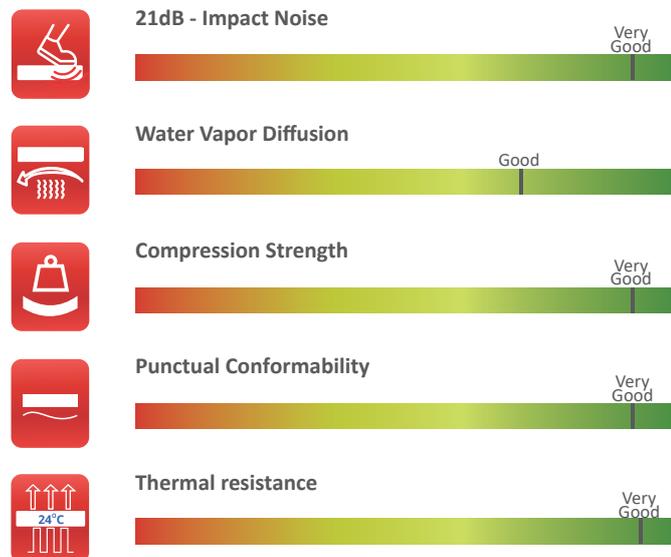
Thickness

**15**  
m<sup>2</sup>

Surface

**600**  
m<sup>2</sup>

Quantity/pallet



<b>DENSITY</b>	(D) 300 kg/m <sup>3</sup>
<b>PUNCTUAL CONFORMABILITY</b>	(PC) 0.5 mm
<b>STATIC COMPRESSIVE STRENGTH</b>	(CS) >600 kPa
<b>COMPRESSION STRENGTH</b>	(CC) >50 kPa
<b>THERMAL RESISTANCE</b>	(TR) 0.0145 m <sup>2</sup> K/W
<b>THERMAL CONDUCTIVITY</b>	0.0567 W/mK
<b>IMPACT NOISE</b>	21 dB
<b>WATER VAPOR DIFFUSION</b>	(SD) 96 m
<b>DYNAMIC LOADING DL<sub>25</sub> OF USE</b>	~450000 Cycles

RECOMMENDED FOR:

LAMINATED FLOORING

MULTILAYER FLOORING

PVC, SPC, LVT FLOORING

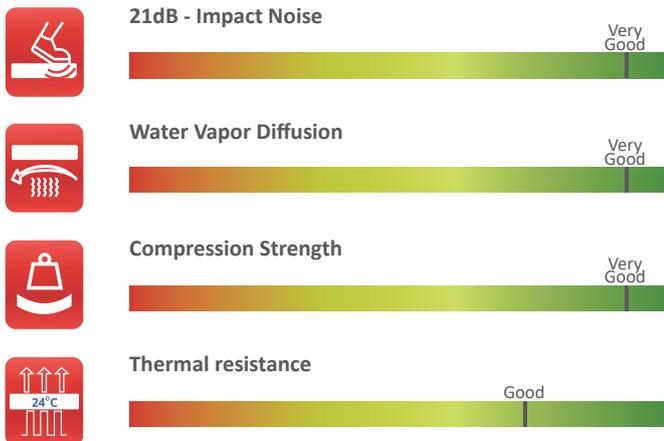
## SUPREME RANGE



## SUPREME SILENT UHD ROLL

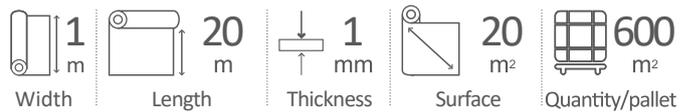
The product is obtained by extruding and expanding polyethylene granules into cells with a spatially closed structure, in a controlled atmosphere and technical conditions, under the influence of temperature and with butane gas as foaming agent.

The product is part of the polymer category, characterized by high elasticity, low liquid permeability, high thermal conductivity, as well as sound-absorbing properties, long-term resistance, being rot-proof and insensitive to the action of insects and rodents. It is an eco-friendly product, does not contain toxic substances harmful to the body, and does not emit radiations, being 100% recyclable.



SKU:  
12526

**SUPREME SILENT UHD ROLL 1 mm** is a revolutionary product with high density of 300kg/mc, recommended as sound-absorbent support between the concrete plate and screed, especially for buildings with multiple floors. It has the purpose of reducing impact noise, thus contributing to individual comfort. The product comes in the form of a roll, which allows a quick installation.



DENSITY	(D) 300 kg/m <sup>3</sup>
PUNCTUAL CONFORMABILITY	(PC) 0.16 mm
STATIC COMPRESSIVE STRENGTH	(CS) >246 kPa
COMPRESSION STRENGTH	(CC) >50 kPa
THERMAL RESISTANCE	(TR) 0.0145 m <sup>2</sup> K/W
DYNAMIC LOADING DL <sub>25</sub> OF USE	~400000 Cycles
IMPACT NOISE	21 dB
WATER VAPOR DIFFUSION	(SD) <75 m
OPERATING TEMPERATURE	-40 ... 80 °C

RECOMMENDED FOR: LAMINATED FLOORING  MULTILAYER FLOORING  SOUNDPROOF INSULATION

# FLOOR INSULATION



**SUPREME RANGE**



## SUPREME UHD THERMO ROLL

The product is part of the polymer category, characterized by high elasticity, low liquid permeability, high thermal conductivity, as well as sound-absorbing properties, with long-term resistance, being rot-proof and insensitive to the action of insects and rodents. It is an eco-friendly product, does not contain toxic substances harmful to the body, and does not emit radiations, being 100% recyclable.

The product is a macroperforated product with a very high density, recommended as a support layer for the installation of laminated or stratified floors, which benefit from a floor heating system.

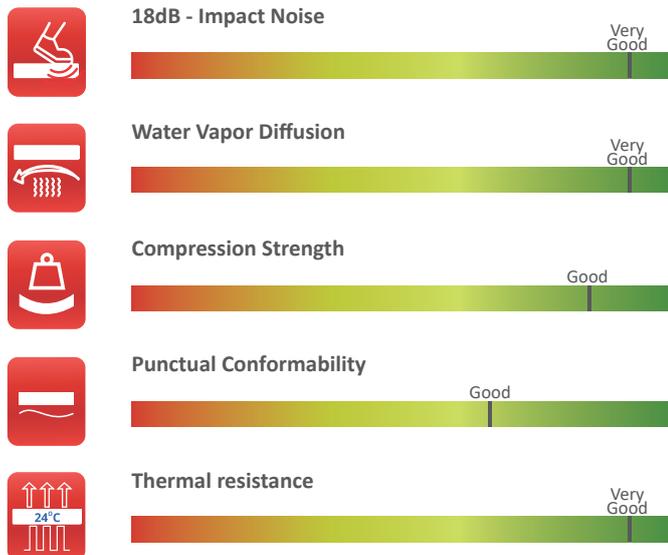
**1.6 mm**



**m  
m  
f  
a**

SKU:  
12525

**SUPREME UHD THERMO ROLL 1.6 mm** is a macroperforated membrane with a very low thermal resistance, accompanied by a transparent LDPE 30 my film, it gives a very good efficiency of the underfloor heating system. The product is presented in the form of a roll, which allows for quick assembly.



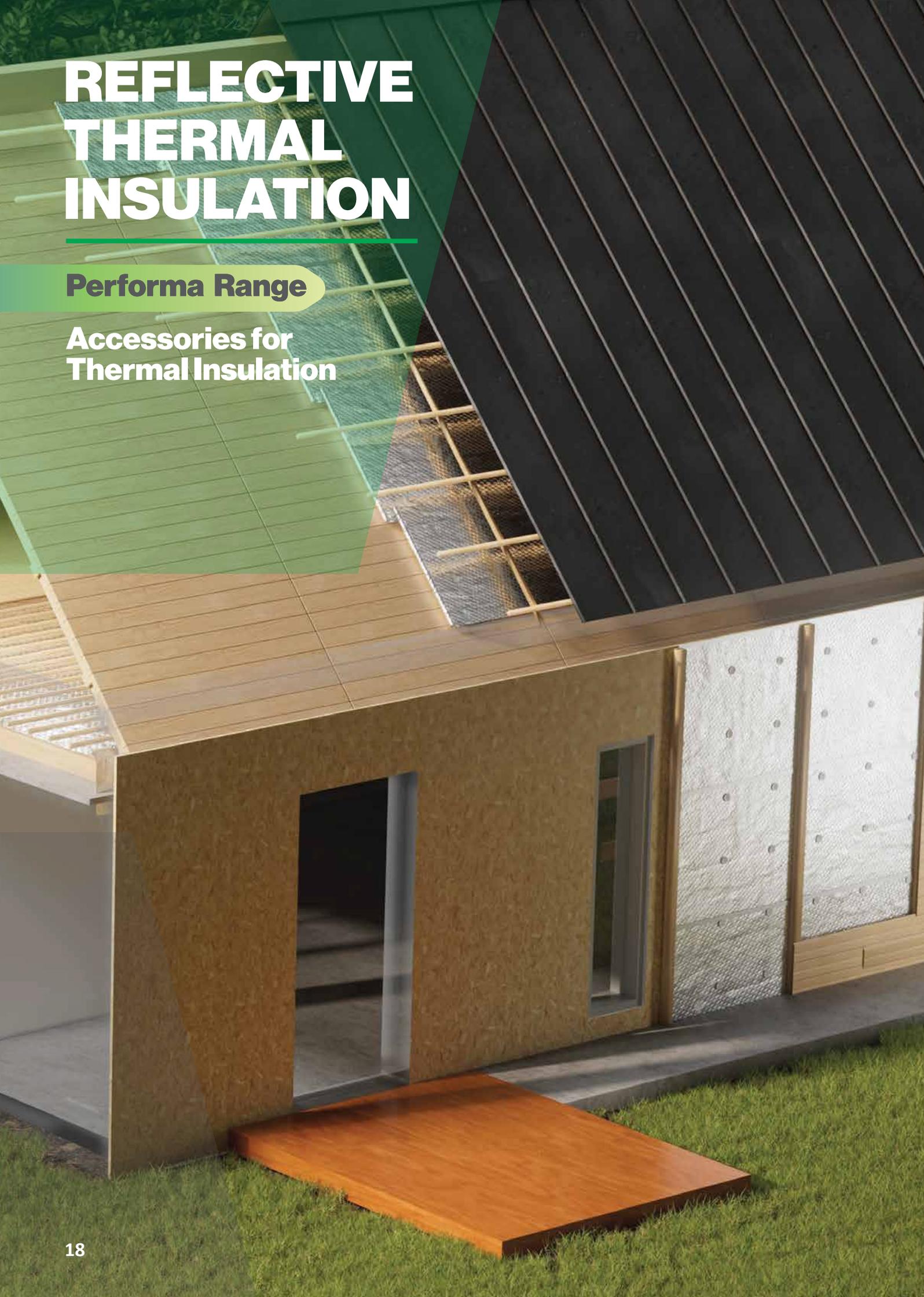
DENSITY	(D) 65 kg/m <sup>3</sup>
PUNCTUAL CONFORMABILITY	(PC) 1.2 mm
STATIC COMPRESSIVE STRENGTH	(CS) >30 kPa
COMPRESSION STRENGTH	(CC) >10 kPa
THERMAL RESISTANCE	(TR) 0.038 m <sup>2</sup> K/W
DYNAMIC LOADING DL <sub>25</sub> OF USE	~25000 Cycles
IMPACT NOISE	18 dB
WATER VAPOR DIFFUSION	(SD) <75 m
OPERATING TEMPERATURE	-40 ... 80 °C

RECOMMENDED FOR: LAMINATED FLOORING MULTILAYER FLOORING HEATED FLOOR

# SUPREME RANGE



# REFLECTIVE THERMAL INSULATION

The image shows a modern building with a green roof and a wooden structure. The roof is covered in green solar panels, and the walls are made of light-colored wood. A large, dark, reflective thermal insulation panel is visible on the right side of the roof. The building is situated on a grassy area.

**Performa Range**

**Accessories for  
Thermal Insulation**

# REFLECTIVE THERMAL INSULATION

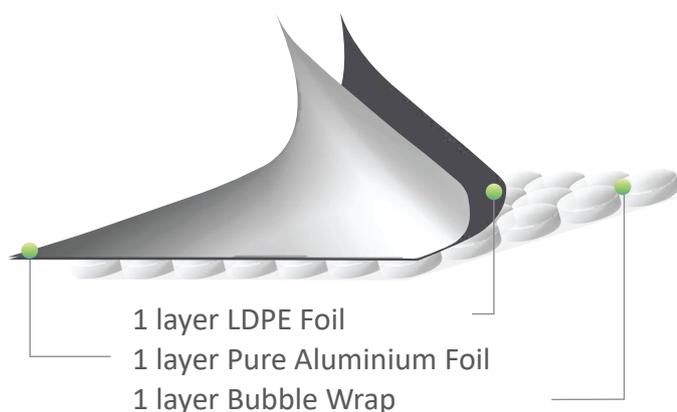
## PERFORMA RANGE



## PERFORMA X

**PERFORMA X** is a reflective insulation made of a layer of pure aluminium foil laminated with LDPE, which covers the layer of bubble wrap.

It was invented by NASA and due to its advantages, the concept has been adopted in the industry and construction, being used with great success in America and Canada since 1985. This product ensures the limitation of heat transfer and reduces energy.



3.2 mm

A+

SKU: 12748

**MADE IN ROMANIA**

COLOR	Silver
TOTAL THICKNESS	3.2 mm
DENSITY	125 gr/m <sup>2</sup>
REFLECTIVITY	95 - 97 %
CLASS OF COMBUSTION	E
OPERATION TEMPERATURE	-40 ... +80°C
WATER VAPOUR DIFFUSION	59 m

- ensures the increase of heating and cooling efficiency by up to 20% and 50% respectively;
- during the summer, the reflective insulation reduces the operation of the air conditioner by up to 20%;
- reduces condensation on the board/tile;
- limits the heating effect by 30%;
- heat-insulating product;
- product made with pure aluminum 99.9%;

### RECOMMENDED FOR:

UNDERLAYER <input type="checkbox"/>	ATTICS/ROOFS <input type="checkbox"/>	INTERIOR WALLS <input type="checkbox"/>	HEATED FLOORS <input type="checkbox"/>
TERRACES <input type="checkbox"/>	EXTERIOR WALLS <input type="checkbox"/>	CONCRETE CEILINGS <input type="checkbox"/>	PIPES/DUCTS <input type="checkbox"/>

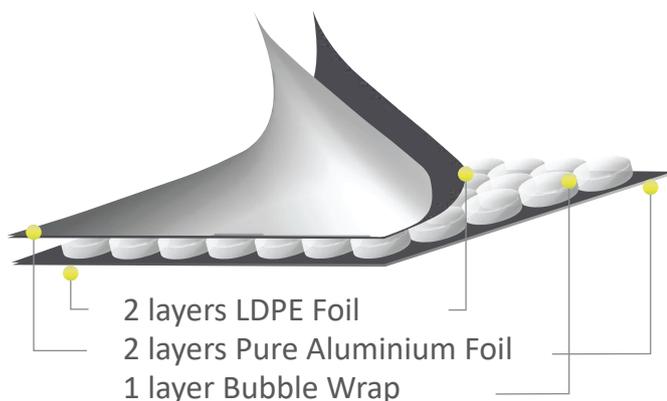
# REFLECTIVE THERMAL INSULATION



## PERFORMA X DL

PERFORMA X DL is a reflective insulation made of a layer of pure aluminium foil laminated with LDPE, which covers the layer of bubble wrap.

It was invented by NASA and due to its advantages, the concept has been adopted in the industry and construction, being used with great success in America and Canada since 1985. This product ensures the limitation of heat transfer and reduces energy.



4 mm

REFLECTIVITY

A++

  
**MADE IN ROMANIA**

**SKU:**  
**12749**

COLOR	Silver
TOTAL THICKNESS	4 mm
DENSITY	220 gr/m <sup>2</sup>
REFLECTIVITY	95 - 97 %
CLASS OF COMBUSTION	E
OPERATION TEMPERATURE	-40 ... +80°C
WATER VAPOR DIFFUSION	3.3 m

- ✓ ensure energy saving 25-35%;
- ✓ ensures the increase of heating and cooling efficiency by up to 30% and 60% respectively;
- ✓ during the summer, the reflective insulation reduces the operation of the air conditioner by up to 35%;
- ✓ reduces condensation on the board/plate;
- ✓ limits the heating effect by 30%;
- ✓ heat-insulating product;
- ✓ made of pure aluminum 99.9%;

### RECOMMENDED FOR:

UNDERLAYER <input type="checkbox"/>	ATTICS/ROOFS <input type="checkbox"/>	INTERIOR WALLS <input type="checkbox"/>	HEATED FLOORS <input type="checkbox"/>
TERRACES <input type="checkbox"/>	EXTERIOR WALLS <input type="checkbox"/>	CONCRETE CEILINGS <input type="checkbox"/>	PIPES/DUCTS <input type="checkbox"/>

# REFLECTIVE THERMAL INSULATION



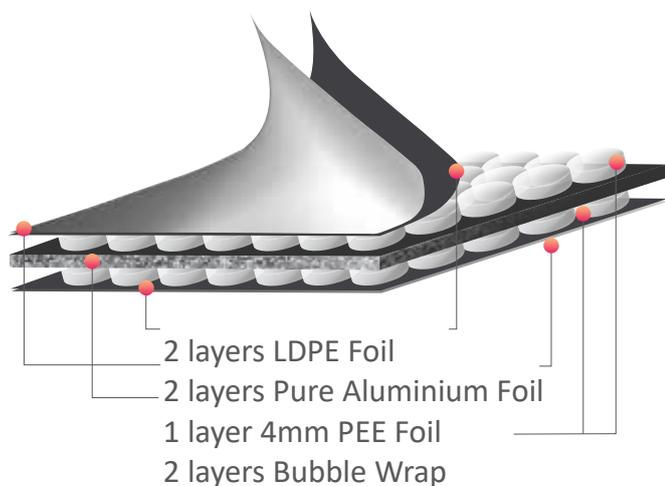
## PERFORMA RANGE



## PERFORMA X DL +

PERFORMA X DL + is a reflective insulation made of a layer of pure aluminium foil laminated with LDPE, which covers the layer of bubble wrap.

It was invented by NASA and due to its advantages, the concept has been adopted in the industry and construction, being used with great success in America and Canada since 1985. This product ensures the limitation of heat transfer and reduces energy.



10 mm
A++
MADE IN ROMANIA
SKU: 12750

COLOR	Silver
TOTAL THICKNESS	10 mm
DENSITY	460 gr/m <sup>2</sup>
REFLECTIVITY	95 - 97 %
CLASS OF COMBUSTION	E
OPERATION TEMPERATURE	-40 ... +80°C
WATER VAPOR DIFFUSION	0.74 m

- ✓ ensure energy saving 35-50%;
- ✓ ensures the increase of heating and cooling efficiency by up to 40% and 70% respectively;
- ✓ during the summer, the reflective insulation reduces the operation of the air conditioner by up to 50%;
- ✓ reduces condensation on the board/tile;
- ✓ limits the heating effect by 30%;
- ✓ heat-insulating product;
- ✓ product made with pure aluminum 99.9%;

### RECOMMENDED FOR:

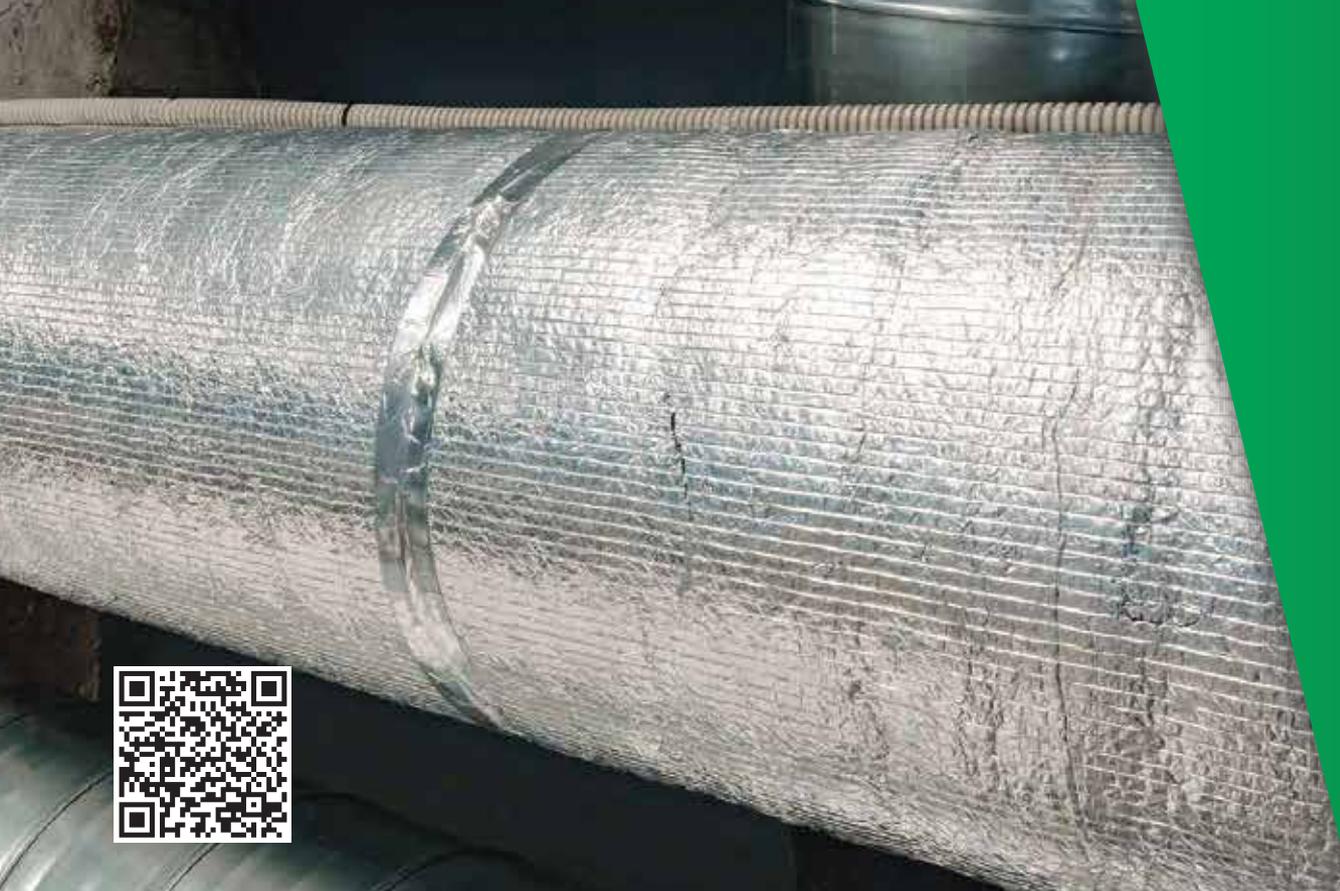
UNDERLAYER	<input type="checkbox"/>	ATTICS/ROOFS	<input type="checkbox"/>	INTERIOR WALLS	<input type="checkbox"/>	HEATED FLOORS	<input type="checkbox"/>
TERRACES	<input type="checkbox"/>	EXTERIOR WALLS	<input type="checkbox"/>	CONCRETE CEILINGS	<input type="checkbox"/>	PIPES/DUCTS	<input type="checkbox"/>

# REFLECTIVE THERMAL INSULATION

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Performa Range

Accessories for  
Thermal Insulation



## ALUMINIUM ADHESIVE TAPE

This adhesive tape is malleable, composed of a 30 µm aluminium foil and an acrylic adhesive. It is a very flexible tape, used mainly in the household appliances industry.

The major advantage of this product is giving the installation an aesthetic appearance. It is used to cover the joints in an installation whose pipes have been insulated.

The tape can also be used in the field of insulation, in heating, air conditioning, ventilation installations where it is necessary to close the junctions and seal the thermal insulation materials.

Feature	Values	Compliance
Dimension	50 m x 50 mm	N/A
Wideness	50 mm	N/A
Length	50 m	N/A
Thickness	50 µm	N/A
Color	Silver	N/A
Elongation at break	5 %	DIN EN 1941
Tear resistance	20 N/cm	DIN EN 1940
Adhesion to stainless steel surfaces	9 N/cm	DIN EN 1939
Water vapor permeability	<1 g/m <sup>2</sup> x 24 h	AFFERA 4002
Resistance to fire	B1	DIN 4102
Thermal stability	-40°C to +80°C	N/A



## PROFESSIONAL MANUAL STAPLER

The Professional Manual Stapler is an accessory for reflective thermal insulation, also used for activities such as: joining various materials (foils, textiles, tapestries), fixing wire fences, nets, decorative bars, cardboard, paper or in various interiors arrangements or household projects.

It is a powerful stapler with a durable die-cast zinc housing and low recoil for household projects. Fine wire staples, nails and flat wire staples can be easily changed thanks to the push mechanism.

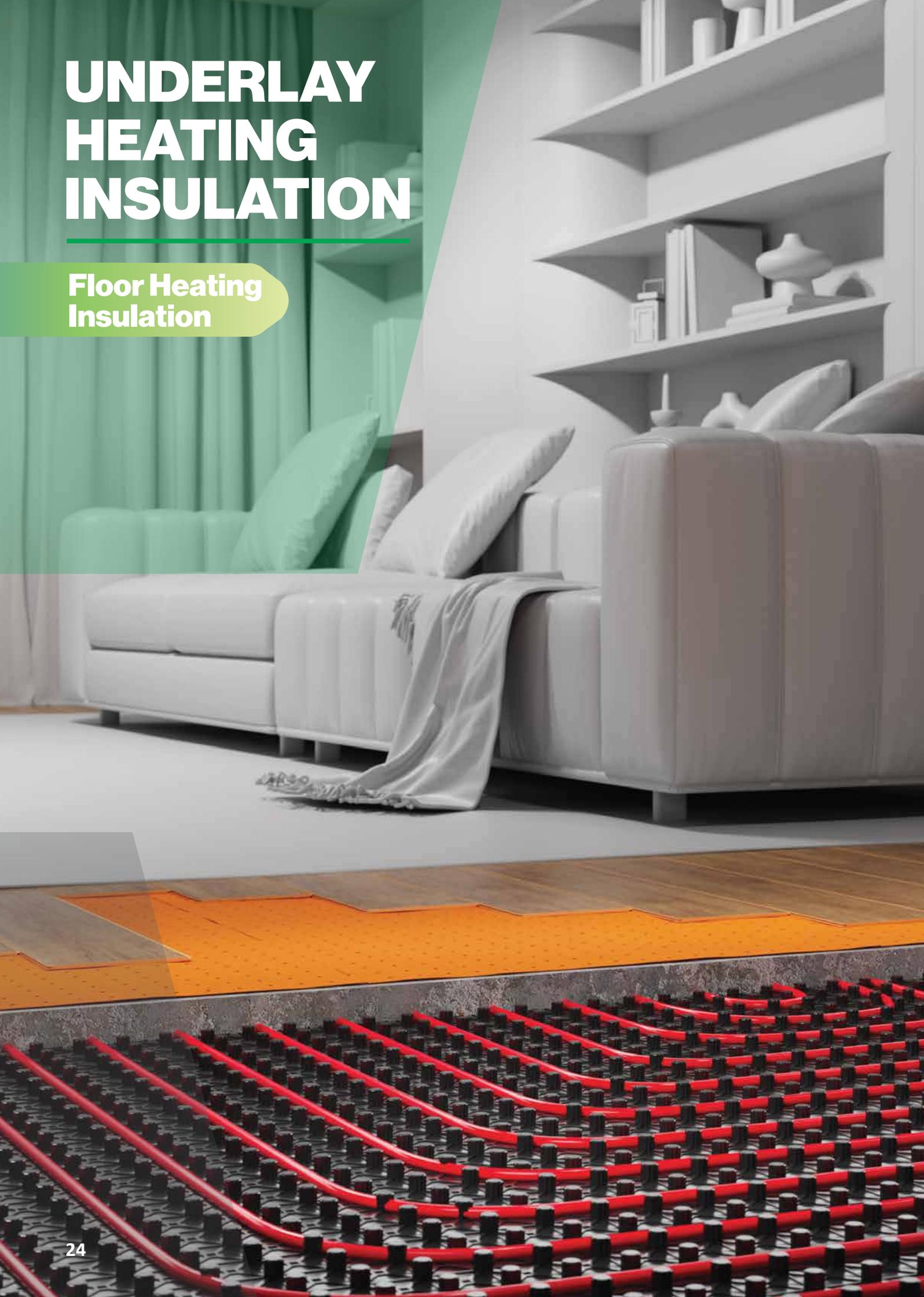
The stapler has a distance stop for parallel stapling in a row of staples and offers the possibility of adjusting the impact force for manual adaptation to the material. Ergonomic softgrip handle for comfortable work. In addition, the stapler has a window for viewing the level of filling with staples.

This product can be used with the following staples characteristics: A 6-14 mm, D 6-14 mm and E-16 mm.

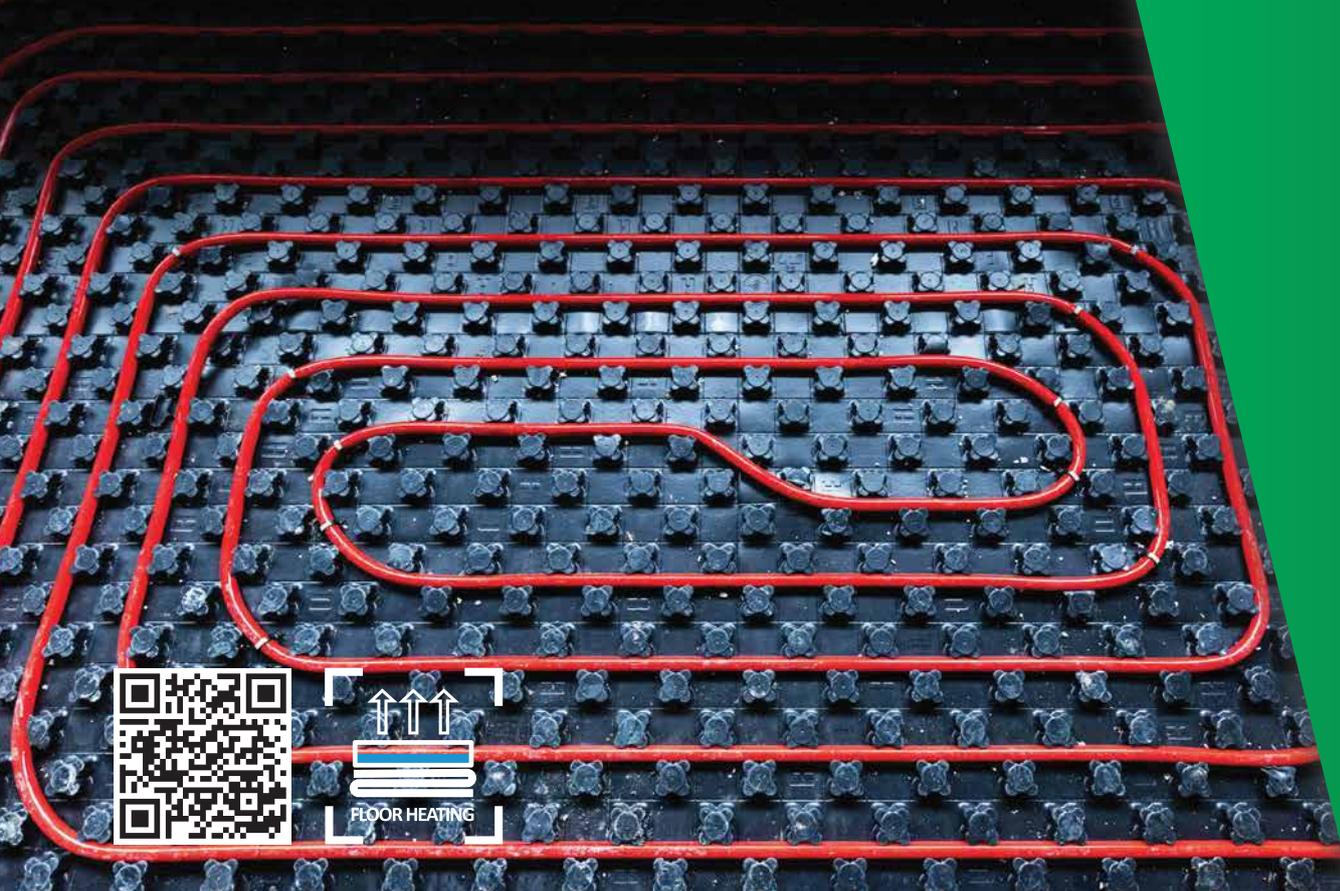


# UNDERLAY HEATING INSULATION

Floor Heating  
Insulation

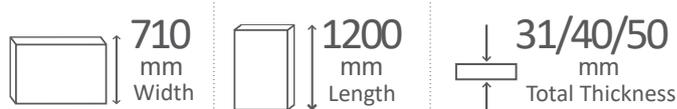


# UNDERLAY HEATING INSULATION



## UNDERLAY HEATING FLOOR PANELS WITH KNOBS

SKU: 14832 | 14833 | 14834



The product is specially designed for underfloor heating system and it ensures quick and efficient installation.

The product covers an area of 0.85 square meters and it is made for the efficient fastening of the pipes, but also for the reliability of the thermal installation.

The panel extends the life of the heating installation system and protects it from possible damage that may occur along the way. Thanks to these panels for underfloor heating, the installation time will be reduced. The product provides an excellent base in which the heating pipes can be fixed through the floor.

TOTAL THICKNESS (PANELS + EPS)	11 + 20 mm	20 + 20 mm	30 + 20 mm
THERMAL CONDUCTIVITY	0.028 W/mK	0.030 W/mK	0.031 W/mK
THERMAL RESISTANCE	0.39 m <sup>2</sup> K/W	0.66 m <sup>2</sup> K/W	0.96 m <sup>2</sup> K/W
THERMAL STABILITY	70°C	80°C	70°C
PACKING	23 panels / box	17 panels / box	13 panels / box
PIPE DIAMETER	16-17 mm		
FIRE RESISTANCE	Euroclass E (according to EN13501-1)		
MAXIMUM LOAD	5000 kg		



## UNDERLAY HEATING INSULATION

# UNDERLAY HEATING INSULATION



## PIPE ROUTE MARKING ROLL FOR UNDERFLOOR

SKU: 14939

1120 mm Width	50 m Length	0.11 mm Thickness	56 m <sup>2</sup> Surface
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The product is used as a guide foil for pipes for underfloor heating due to the existing marking. It comes in the form of a roll with a width of 1.12 m and a length of 50 m. The use of this foil leads to an increase in the efficiency of the underfloor heating system.

The product represents a material used for insulation in thermal heating installations and contributes to a good organization in the process of fixing the heating pipes. It has an impermeable surface, it is resistant to mold and pests. It can be used as a vapor barrier.

### PROPERTIES:

- Longitudinal and transversal tensile strength;
- Longitudinal and transversal elongation at break;
- Resistance to longitudinal and transversal tearing.

THICKNESS	0.11 mm
SIZE (L x W)	1120 mm x 50 m
TENSILE STRENGTH (LONGITUDINAL BREAK)	min 150 daN/cm <sup>2</sup>
TENSILE STRENGTH (TRANSVERSAL BREAK)	min 130 daN/cm <sup>2</sup>
ELONGATION (LONGITUDINAL BREAK)	min 200 %
ELONGATION (TRANSVERSAL BREAK)	min 350 %
RESISTANCE TO LONGITUDINAL TEAR	min 60 daN/cm
RESISTANCE TO TRANSVERSAL TEAR	min 50 daN/cm



## UNDERLAY HEATING INSULATION

# UNDERLAY HEATING INSULATION



## THERMAL INSULATION BOARDS-EXTRUDED POLYSTYRENE XPS

SKU: 15506



The extruded perforated polystyrene board is ideal for use in floor structures with floating elements of laminated parquet or wooden parquet, especially in the case of laminated parquet elements assembled by the "Click" mechanical system.

These boards are ideal as an insulating element for underfloor heating. Moreover, the plates reduce the impact noise and reduce the level of noise generated in the room during the movement of the user on the floor.

The product can take up to 1 mm unevenness of the support surface and is always used with a vapor membrane to protect against the penetration of moisture into the floor structure.

<b>Material</b>	polystyrene
<b>Color</b>	green
<b>Length</b>	1000 mm (+/-10%)
<b>Width</b>	500 mm (+/-5%)
<b>Thickness</b>	1.6 mm
<b>Square meters/package</b>	10 m <sup>2</sup>
<b>Density</b>	67.5 kg/m <sup>3</sup>
<b>Thermal transfer</b>	0.025 W/mK
<b>Compressive strength</b>	4000 kg/m <sup>2</sup>



RECOMMENDED FOR:

LAMINATED FLOORING



MULTILAYER FLOORING



HEATED FLOOR



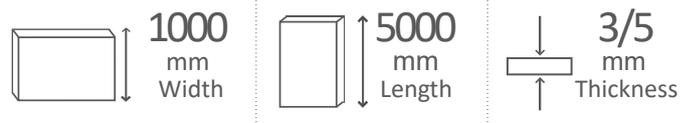
## UNDERLAY HEATING INSULATION

# UNDERLAY HEATING INSULATION



## THERMAL LAMINATED INSULATION 3 IN 1 BOARDS XPS

SKU: 15614 / 15615



The XPS 3 mm board has soundproofing and waterproofing properties, considerably extending the life of the floors. The product fulfills the functions 3 in 1, being at the same time: support layer, vapor barrier and joint flap.

Extruded polystyrene has the advantage of absorbing screed unevenness of up to 3 mm. The boards are provided with double-adhesive tape on the side for sealing, and the grid indicates the installation area of the underfloor heating pipes.

The boards are placed under the parquet with the aim of mitigating impact noise and reducing the noise produced in the room when the user moves on the floor.

THICKNESS	3 mm	5 mm
IRREGULAR FLOORING	(PC) 2.8 mm	(PC) 5 mm
THERMAL RESISTANCE	0.102 m <sup>2</sup> K/W	0.159 m <sup>2</sup> K/W
DYNAMIC LOADING DL <sub>25</sub> OF USE	> 250000 cycles	190000 cycles
STATIC COMPRESSIVE STRENGTH	(CS) 100 kPa	(CS) 51 kPa
IMPACT NOISE REDUCTION	18 dB	19 dB
WATER VAPOR DIFFUSION	(SD) 120 m +/- 10%	



RECOMMENDED FOR:

LAMINATED FLOORING



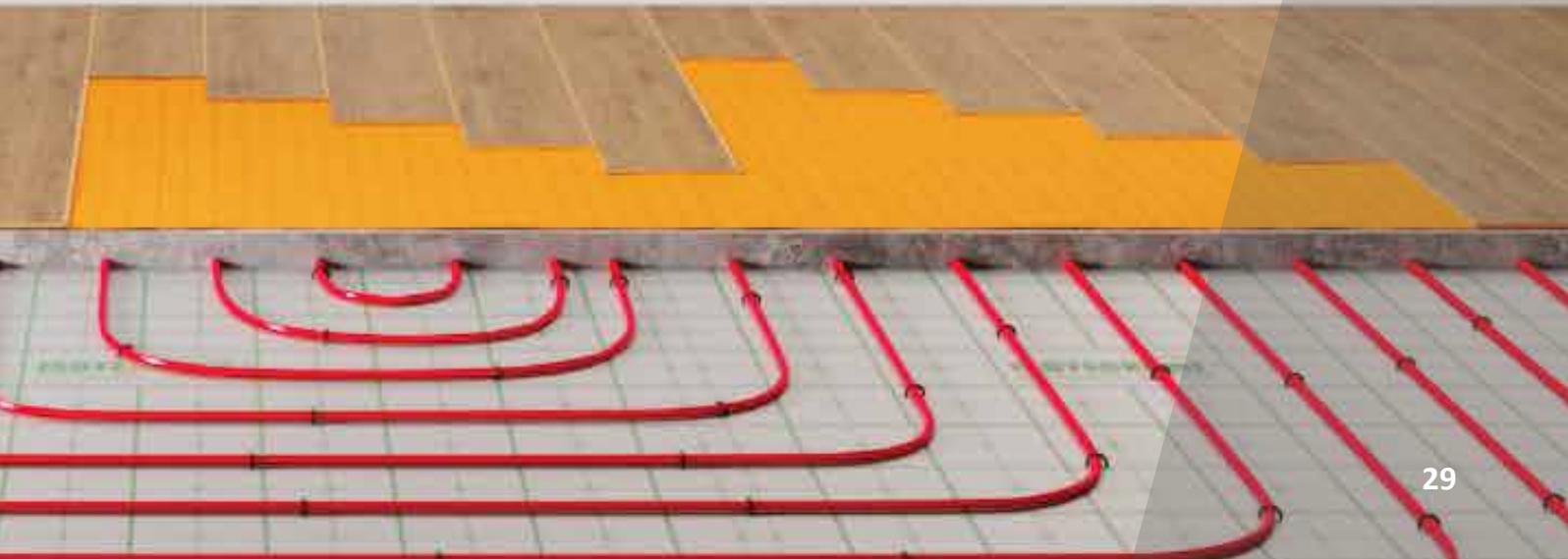
MULTILAYER FLOORING



HEATED FLOOR



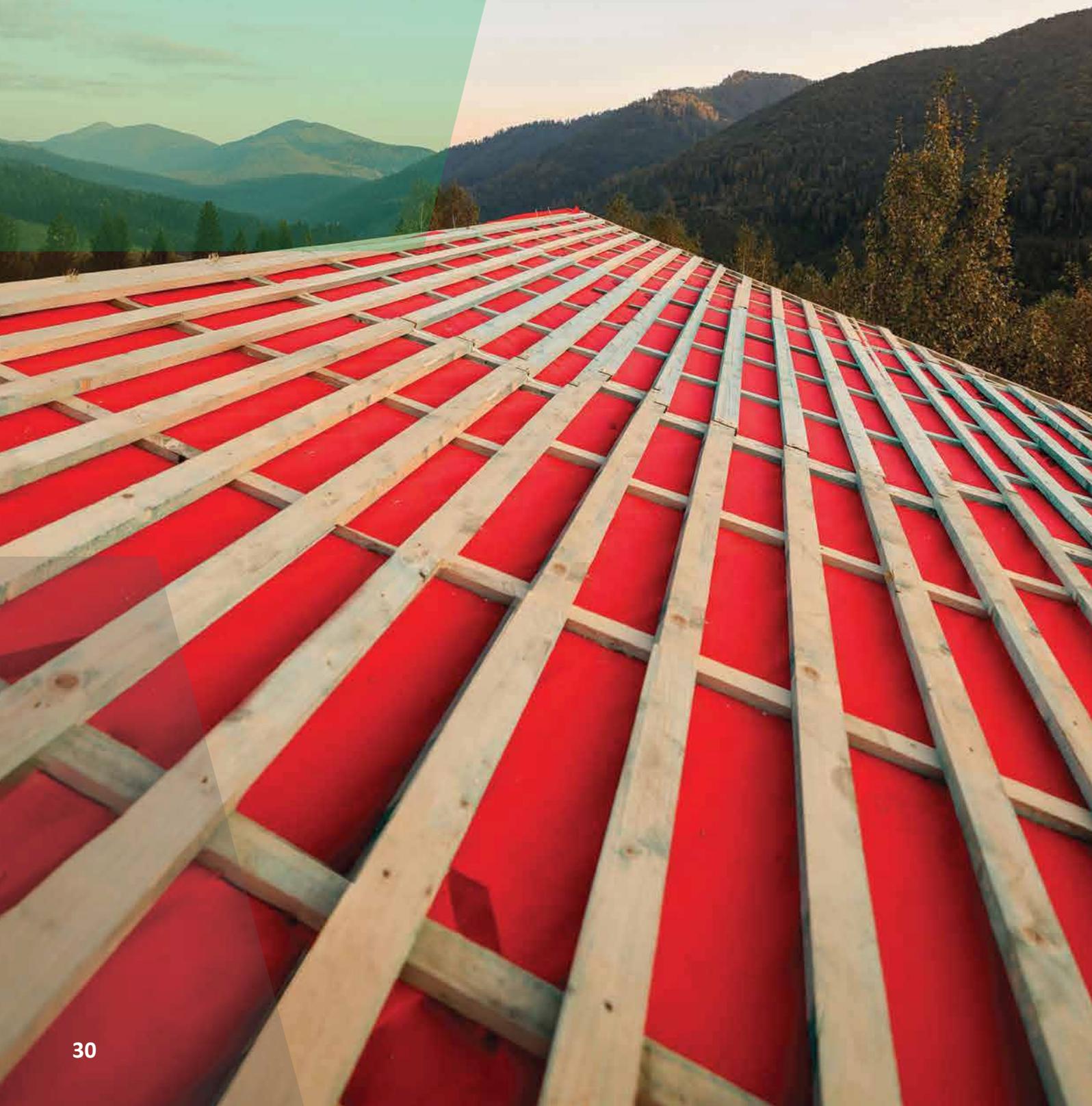
## UNDERLAY HEATING INSULATION

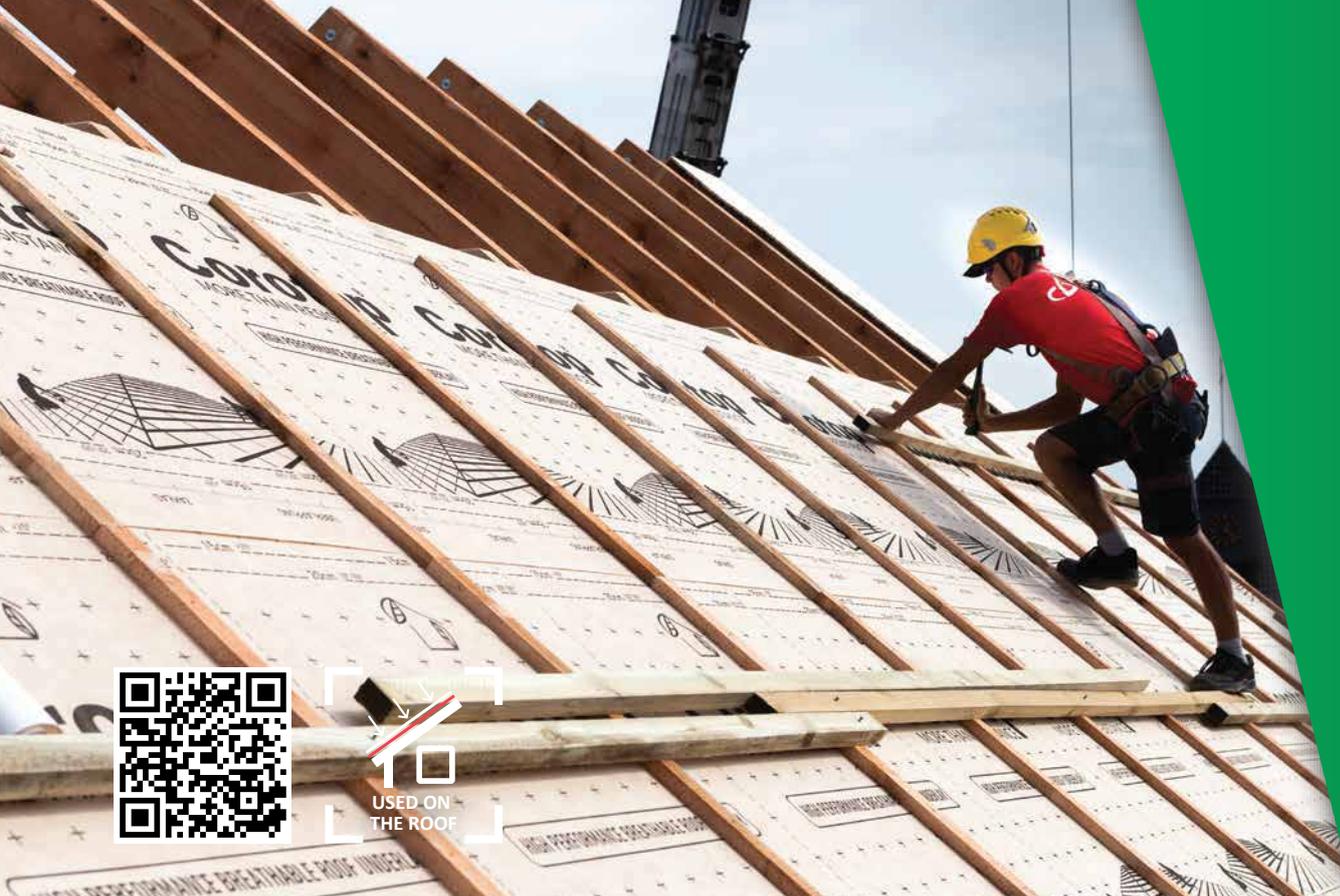


# ROOF INSULATION

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Roof Membranes and  
Vapour Barriers





## ROOF MEMBRANE SYSTEMS

Roof membranes (also referred to as pre-cover membranes) are the essential intermediate layer of a professionally installed roof. Do not forget about it when building or repairing a roof in a residential, office or commercial building.

Corotop® roofing membranes are resistant to stretching or tearing, but differ in performance and purpose. The product includes three-layer, high-permeability and waterproof roof membranes with different properties and weights that have a significant impact on the long-term, proper functioning of a dry roof.

**Roof membranes** are highly vapor-permeable, three-layer roof membrane made of a functional film protected on both sides with polypropylene non-woven fabric.



SKU: 15471 / 15274







	Corotop Blue - 15471	Corotop Light - 15274
<b>ROOF MEMBRANE SYSTEMS</b>		
<b>GRAMMAGE</b>	140 g/m <sup>2</sup> (+/-10%)	100 g/m <sup>2</sup> (+/-10%)
<b>WATER VAPOUR DIFFUSION</b>	0,02 m	0,02 m
<b>TENSILE STRENGTH (LONGITUDINAL)</b>	350 N/50 mm	250 N/50 mm
<b>TENSILE STRENGTH (TRANSVERSAL)</b>	230 N/50 mm	150 N/50 mm
<b>ELONGATION (LONGITUDINAL)</b>	60 %	70%
<b>ELONGATION (TRANSVERSAL)</b>	80 %	110%
<b>ADVANTAGES</b>	<ul style="list-style-type: none"> <li>✓ protects the thermal insulation against moisture;</li> <li>✓ minimizes heat loss;</li> <li>✓ reduces energy consumption;</li> <li>✓ reduces CO<sub>2</sub> emissions to the atmosphere.</li> </ul>	<ul style="list-style-type: none"> <li>✓ protects the thermal insulation against moisture;</li> <li>✓ element of the building's gas tightness system;</li> <li>✓ EPD environmental declaration.</li> </ul>
<b>APPLICATION</b>	<ul style="list-style-type: none"> <li>✓ on roofs with full or part-boarding;</li> <li>✓ as initial covering of sloped, insulated, ventilated roofs;</li> <li>✓ for most types of roofing, in particular concrete tiles and steel roofing tiles;</li> <li>✓ as air barrier in the siding method.</li> </ul>	<ul style="list-style-type: none"> <li>✓ on roofs with partial-boarding;</li> <li>✓ as initial covering of sloped, insulated, ventilated roofs;</li> <li>✓ to be used to most types of roof coverage, particularly under concrete tiles;</li> <li>✓ as the wind-barrier in a siding method.</li> </ul>



## ACTIVE VAPOUR BARRIER MEMBRANE

Corotop® vapor barriers protect the roof from excessive dampness and uncontrolled heat escape. Corotop reflective and active vapor barrier films - called vapor barrier membranes - are lightweight and easy to install.

When used with highly vapor-permeable Corotop® membranes, they ensure optimum regulation of the amount of water vapor in the roof section, which has a significant impact on the effectiveness of thermal insulation.

**Corotop Active Control** is a two-layer vapor control membrane based on polypropylene nonwoven fabric. Active vapor-barrier product to be used as a steam penetration regulator. It resists water vapor, preventing excess water vapor from accumulating between the plaster board and the thermal insulation.



SKU: 15275



ROOF MEMBRANE SYSTEMS	Corotop Light - 15275 
GRAMMAGE	100 g/m <sup>2</sup> (+/-10%)
WATER VAPOUR DIFFUSION	15 m
TENSILE STRENGTH (LONGITUDINAL)	≥ 130 N/50 mm
TENSILE STRENGTH (TRANSVERSAL)	≥ 110 N/50 mm
ELONGATION (LONGITUDINAL)	≥ 30 %
ELONGATION (TRANSVERSAL)	≥ 90 %
BREAKING RESISTANCE MD (LONGITUDINAL)	≥ 110 N
BREAKING RESISTANCE CD (TRANSVERSAL)	≥ 130 N
ADVANTAGES	<ul style="list-style-type: none"> <li>✓ protects thermal insulation against moisture;</li> <li>✓ minimizes heat loss;</li> <li>✓ is part of the building's air-tightness system;</li> <li>✓ has an environmental declaration EPD.</li> </ul>
APPLICATION	<ul style="list-style-type: none"> <li>✓ attic</li> <li>✓ walls</li> <li>✓ ceilings</li> </ul>



HIGH QUALITY VAPOUR CONTROL BARRIER



15cm 20cm 15cm 20cm  
OVERLAP  
ÜBERLAPPUNG

**Corotop**  
MORE THAN RESISTANCE

HIGH QUALITY VAPOUR CONTROL BARRIER



**Coro**  
MORE THAN T

HIGH QUALITY

# SOUND AND ACOUSTIC INSULATION

**Airborne Sound Insulation**

**Acoustic Treatment**

**Acoustic Insulation for Impact Noise**

**Accessories for Sound and Acoustic Isolations**





## SOUNDPROOF BOARD PST 90

The product is used in the structure of walls and ceilings to improve acoustic insulation against air noise. The density, elastic structure and open cell of the material ensure superior sound insulation compared to classic soundproofing materials.

These soundproofing boards are used to improve the acoustic insulation parameters in residential buildings, hotels, cottages, offices, industrial buildings, etc.

### RECOMENDED INSTALLATION INSTRUCTIONS:

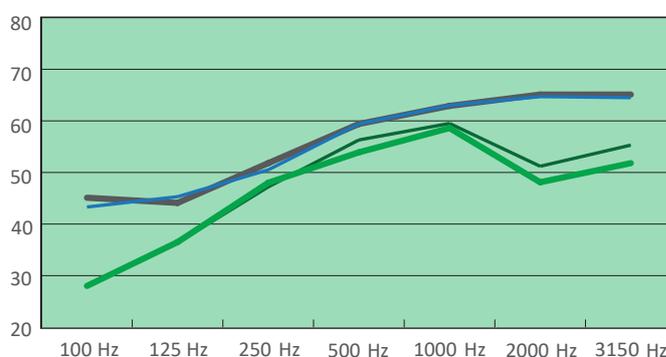
- Be sure that the surface is clean and free of impurities;
- Apply the adhesive to the wall/ceiling by using a roller or brush and leave for 5-8 minutes, so that the adhesive takes hold;
- Apply the adhesive to the soundproofing board by spraying, with a roller or brush and leave for 5-8 minutes, so that the adhesive adheres;
- Apply the soundproofing board to the wall and press firmly on the entire surface, for the best adhesion;
- The metal plasterboard profiles are mounted over the plates, the self-adhesive sealing tape is applied between the profiles and the walls/ceilings;
- The interspersed plasterboard boards are mechanically attached to the profiles;
- The tiles will be positioned and mounted on profiles without touching the existing structure;
- The resulting void (1-3 mm) will be filled with construction silicone.

SKU: 13956 / 13957



<b>MATERIAL DENSITY PST 90</b>	90 kg/m <sup>3</sup>
<b>COMBUSTIBILITY CLASS</b>	E
<b>THERMAL CONDUCTIVITY</b>	0.0366 W/mK

Dimensions (mm)	Airborne sound insulation value "Rw" (dB)/frequency							Rw (dB)
	100 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	3150 Hz	
2000 x 1000 x 50	43.3	45.3	50.5	59.4	63	64.7	64.5	61
2000 x 1000 x 100	45.1	44.1	51.8	59.4	62.9	65.1	65.1	61
2000 x 1000 x 50	28.0	36.5	48	53.9	58.6	48.1	51.8	53
2000 x 1000 x 100	28.0	36.4	47.2	56.3	59.5	51.2	55.3	54



- pressed brick 25cm + PST 90 50mm
- + 2 plasterboard plates 12.5mm
- 50 mm ■ 100 mm
- 2 plasterboard plates 12.5mm + PST 90 50mm
- + 2 plasterboard plates 12.5mm
- 50 mm ■ 100 mm

# SOUND AND ACOUSTIC INSULATION

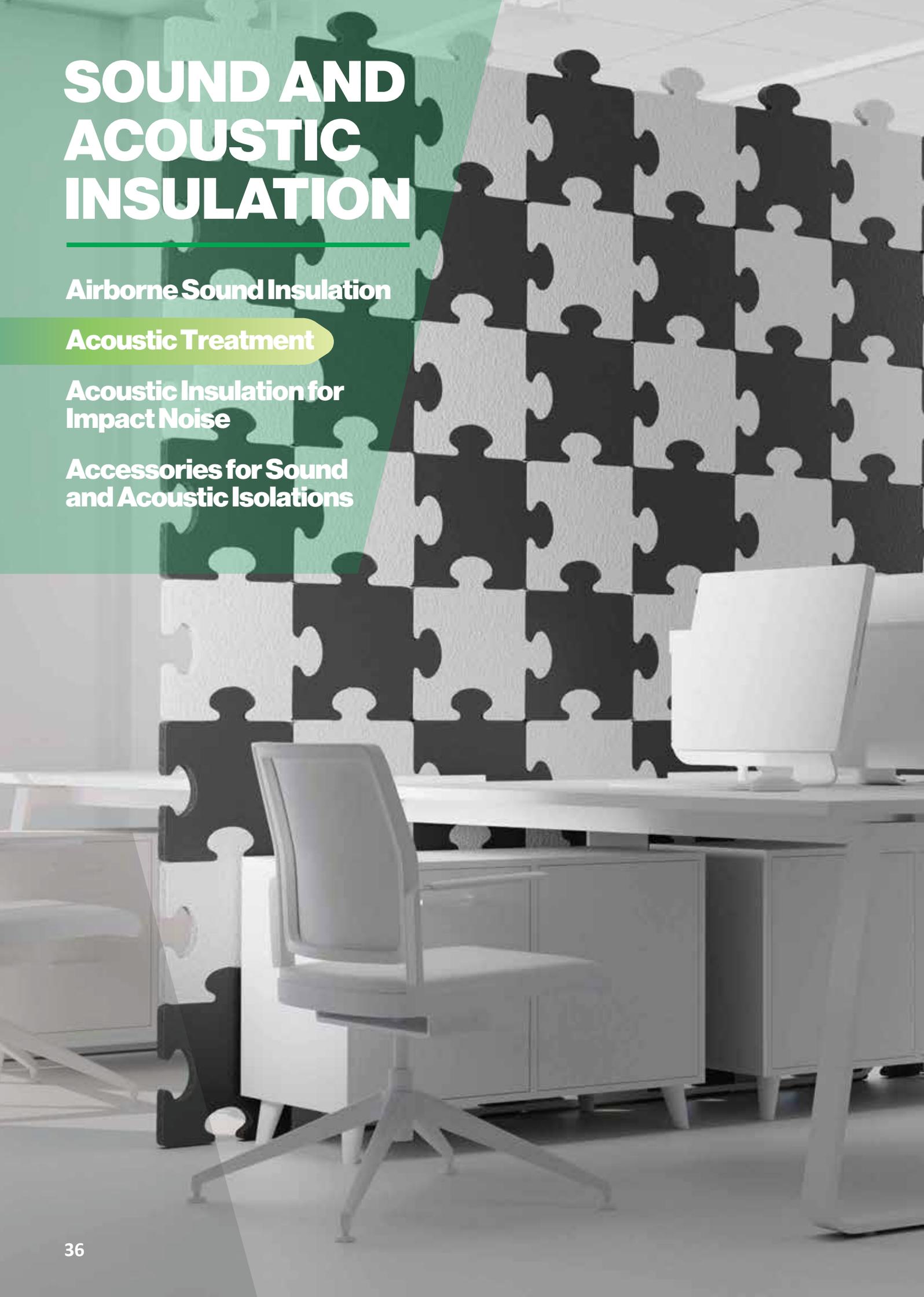
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**Airborne Sound Insulation**

**Acoustic Treatment**

**Acoustic Insulation for Impact Noise**

**Accessories for Sound and Acoustic Isolations**





## Whisper® ACOUSTIC PANELS (INTERIOR)

Laminated expanded polyethylene acoustic board that has excellent acoustic properties due to the unique closed cells. The acoustic insulation effectively absorbs noise, has a special resistance to fire and has a washable surface.

Whisper® Acoustic Panels have a low surface energy and is a non-polar plastic. This means that polar substances such as water, and dust do not typically stick to it.

The product uses a networked honeycomb like structure to absorb sound, providing unique properties over conventional fibre, polyester and open cell foams.

Whisper® Acoustic Panels have no fibrous materials, low VOC and zero ODP. Whisper® Acoustic Panels do not cause irritation, are non-friable and does not crumble.

The products are easy to handle with a weight of less than 1.5 kilograms per square metre at 50 mm, providing sustainable use of raw material inputs.

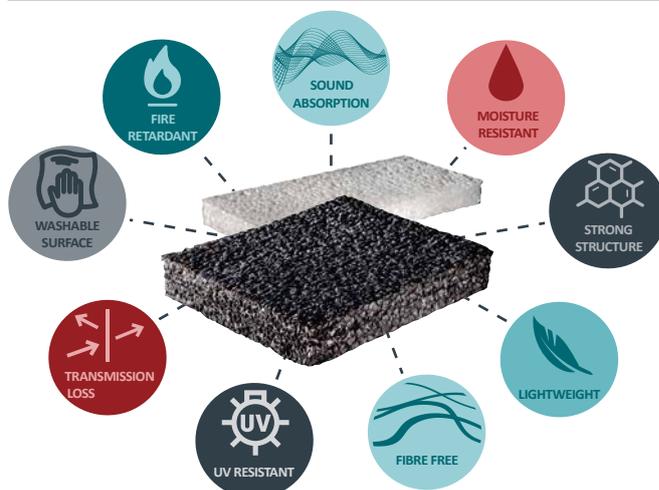
Whisper® FR foam panels achieved  
**EN 13501 Class B S1 D0 at 20-30mm**  
**EN 13501 Class B S2 D0 at 40-50mm**  
**DIN 4102 Class B1;**

Fire testing data is available for rail, mass transit, marine and automotive.

SKU: 14641 / 14660



<b>Fire-test-response Characteristics Building &amp; Construction</b>	B1 Class (DIN 4102) B-s2-d0 Class (DIN EN 13501-1)
<b>Nominal density</b>	25 Kg/m <sup>3</sup>
<b>VOC Emissions</b>	A+ Class (EN ISO 16000-9)
<b>Transmission Loss</b>	13.8 dB (EN ISO 717-1:2007)
<b>Sound Absorption</b>	1.00 Aw Sound Absorption Class A
<b>Thermal Conductivity at 23°C (73°F) at -5°C (23°F)</b>	0.104 W/mK 0.082 W/mK
<b>Thermal stability (24h at 70°C)</b>	< 3 %
<b>Tear resistance</b>	130 KPa
<b>Elongation at break</b>	60 %



# SOUND & ACOUSTIC INSULATION



## Whisper® ACOUSTIC PANELS (EXTERIOR)

Sound absorbing tiles with excellent acoustic properties due to unique closed cells. Superior noise reduction qualities have been proven in applications such as: road traffic or railway traffic.

The performance characteristics of Whisper® acoustic panels:

- sound absorption;
- moisture resistance;
- reduced weight;
- without fibers;
- resistance to UV radiation;
- washable surface.

This product is recommended for:

- road traffic;
- rail traffic;
- insulation of fences and outdoor locations.

Acoustic Panels have few substitutes with equivalent absorption and mass due to it's unique structure and composition.

Whisper® UV is durable outdoors, being tested to 2000 hours accelerated aging, independently assessed as equivalent to 20 years of outdoor life in Spain.



SKU: 14658

<b>Fire-test-response Characteristics Building &amp; Construction</b>	B2 Class (DIN 4102)
<b>Nominal density</b>	30 Kg/m <sup>3</sup>
<b>VOC Emissions</b>	A+ Class (EN ISO 16000-9)
<b>Acoustic Absorption</b>	α <sub>w</sub> - Class A
<b>Thermal Conductivity at 23°C (73°F) at -5°C (23°F)</b>	0.104 W/mK 0.082 W/mK
<b>Thermal stability (24h at 70°C)</b>	< 3 %
<b>Tensile Strength at Peak</b>	130 KPa
<b>Tensile Elongation</b>	70 %



## SOUND & ACOUSTIC INSULATION

# SOUND & ACOUSTIC INSULATION



## Whisper® PUZZLE HOME ACOUSTIC SOLUTION

SKU: 14639 / 14640



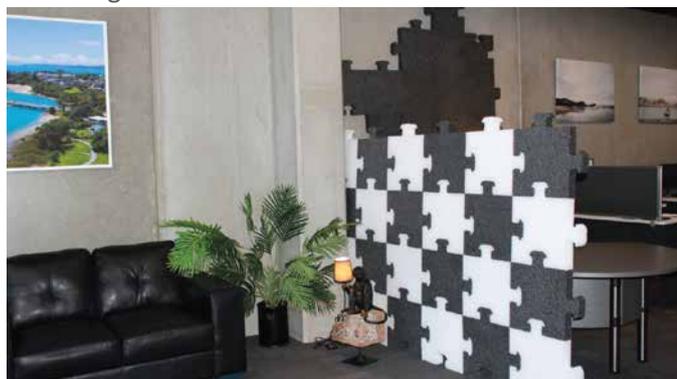
Whisper home office acoustic solution is an innovative and fun way to improve your home office acoustics. Whisper uses a unique high performance honeycomb-like structure to absorb noise.

The modular puzzle format allows you to build your own home office acoustic solution using the minimum of materials.

The high levels of sound absorption will improve the quality of your video calls, online meetings, and audio recordings.

This product is recommended for:

- ✓ creating a comfortable work space;
- ✓ podcast shows studio;
- ✓ other types of recording studios.



<b>Fire-test-response Characteristics Building &amp; Construction</b>	B1 Class (DIN 4102) B-s2-d0 Class (DIN EN 13501-1)
<b>Nominal density</b>	25 Kg/m <sup>3</sup>
<b>VOC Emissions</b>	A+ Class (EN ISO 16000-9)
<b>Transmission Loss</b>	13.8 dB (EN ISO 717-1:2007)
<b>Sound Absorption</b>	1.00 Aw Sound Absorption Class A
<b>Thermal Conductivity at 23°C (73°F) at -5°C (23°F)</b>	0.104 W/mK 0.082 W/mK
<b>Thermal stability (24h at 70°C)</b>	< 3 %
<b>Tear resistance</b>	130 KPa
<b>Elongation at break</b>	60 %

### WHISPER® HOME OFFICE ACOUSTIC SOLUTION BENEFITS:



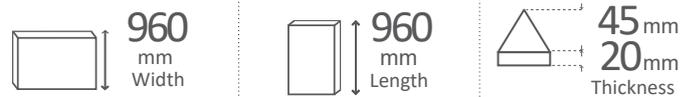
## SOUND & ACOUSTIC INSULATION

# SOUND & ACOUSTIC ABSORPTION



## ACOUSTIC PANEL SPONGE PYRAMIDAL SHAPE

SKU: 13974



The pyramidal sound absorption foam 960 x 960 x 65 mm has a sound-absorbing role and it can be applied to walls or ceilings.

The pyramidal shape ensures a seamless joint of the plates on the applied surface, and the flexible structure of the material ensures optimal sound absorption, reducing reverberation, the assembly being easy with the help of a special polyurethane adhesive.

The sound-absorbing products made of flexible polyurethane foam are also used to improve acoustics, in recording studios, radio TV studios, music rehearsal rooms, for padding acoustic enclosures with the role of acoustic correction, show rooms for electronic and industrial equipment.

Storage of the product is done in clean, moisture-free places, and if the tiles are removed from the packaging,

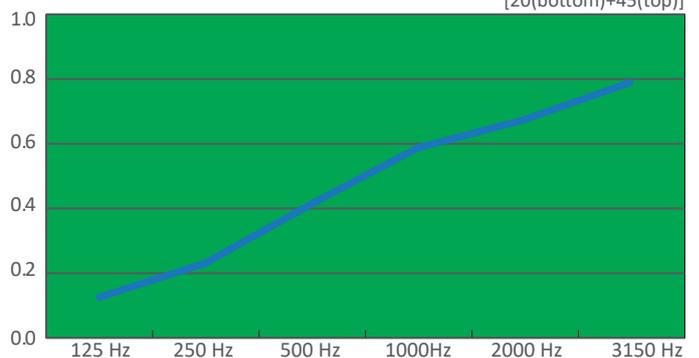
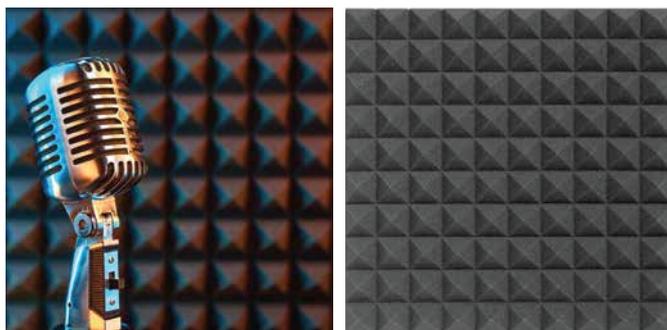
they will be stored in places protected from light, to avoid oxidation and “yellowing” of the tiles over time.

The pyramid plates are packed in plastic film that protects against humidity and mechanical degradation during transport and storage.

DENSITY	28 kg/m <sup>3</sup>
COMBUSTIBILITY CLASS	E
THERMAL CONDUCTIVITY	0.0395 W/mK
PIECES / PACKAGE	2

Dimensions (mm)	The evaluation acoustic absorption coefficient: $\alpha_s$					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	3150 Hz
960x960x65 [20(bottom)+45(top)]	0.13	0.24	0.43	0.61	0.70	0.82

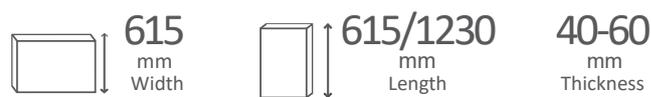
■ 960x960x65 [20(bottom)+45(top)]



## SOUND & ACOUSTIC ABSORPTION

## SOUND-ABSORBING DECORATIVE PANELS BASOTECT G+, BASOTECT B

SKU: G+ 13960 / 13961 | B 13962 / 13963



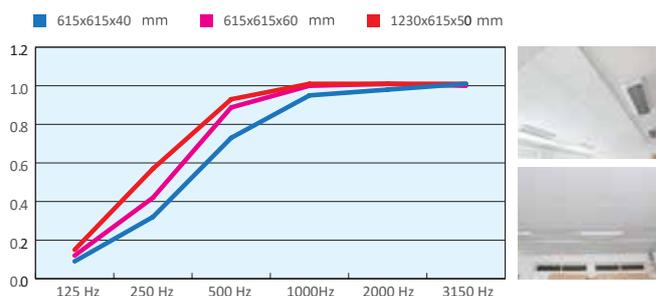
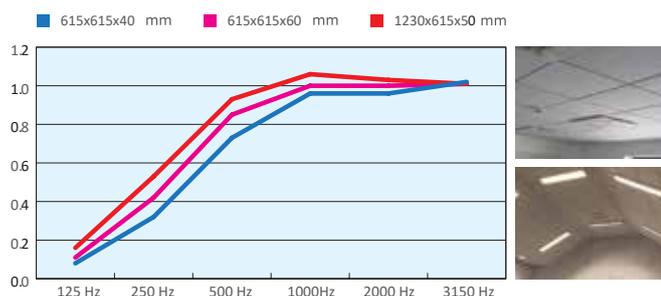
The Gray (BASOTECT G+) and White (BASOTECT B) Polyurethane Sound-Absorbing Board, made of melamine foam, serve both as sound absorbers, reducing the noise level, and as decorative elements. These Sound-Absorbing Boards are used to improve acoustics, having a sound-absorbing, noise-attenuating role. They are also used to reduce reverberation in a wide range of construction applications. The structure of the material and its very fine ceiling, its elastic structure, ensure efficient sound absorption.

BASOTECT G+	
DENSITY	~ 9 kg/m <sup>3</sup>
COMBUSTIBILITY CLASS	C:s2-d0
THERMAL CONDUCTIVITY	0.033 W/mK (615x615x60mm; 1230x615x50mm) 0.0316 W/mK (615x615x40mm)

BASOTECT B	
DENSITY	~ 7.5 kg/m <sup>3</sup>
COMBUSTIBILITY CLASS	C:s2-d0
THERMAL CONDUCTIVITY	0.034 W/mK (615x615x60mm; 1230x615x50mm) 0.0318 W/mK (615x615x40mm)

Dimensions (mm)	The evaluation acoustic absorption coefficient: $\alpha_s$					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	3150 Hz
615 x 615 x 40	0.08	0.32	0.73	0.96	0.96	1.02
615 x 615 x 60	0.16	0.53	0.93	1.06	1.03	1.01
1230 x 615 x 50	0.11	0.42	0.85	1.00	1.00	1.01

Dimensions (mm)	The evaluation acoustic absorption coefficient: $\alpha_s$					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	3150 Hz
615 x 615 x 40	0.09	0.32	0.73	0.95	0.98	1.01
615 x 615 x 60	0.15	0.57	0.96	1.01	1.01	1.01
1230 x 615 x 50	0.12	0.42	0.86	1.00	1.01	1.00



## SOUND & ACOUSTIC ABSORPTION

# SOUND & ACOUSTIC ABSORPTION



## SOUND-ABSORBING CYLINDER BASOTECT G+, BASOTECT B

SKU: G+ 13966 / 13967 | B 13968 / 13969



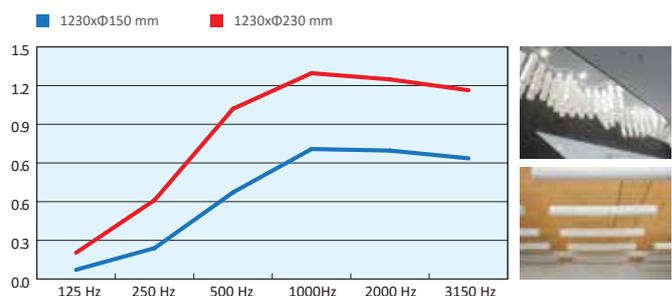
Sound-absorbing cylinder (BASOTECT G+) and (BASOTECT B) made of melamine foam, serve both as sound absorbers, reducing the noise level, and as decorative elements. The Sound-absorbing Cylinder product is used for acoustic insulation, having a sound-absorbing, noise-attenuating role. It is also used to reduce reverberation in a wide range of construction applications. The structure of the material and the very fine cells, together with its elastic structure, ensure sound absorption and an efficient reduction of reverberation. Easy installation maintains a low cost of execution of the work. It has optical malleability, cylinders can be painted by spraying (one layer) in different colors.

BASOTECT G+	
DENSITY	~ 9 kg/m <sup>3</sup>
COMBUSTIBILITY CLASS	C:s3-d0
THERMAL CONDUCTIVITY	0.033 W/mK
WEIGHT	Φ150 ~0.217kg; / Φ230 ~0.511kg

BASOTECT B	
DENSITY	~ 7.5 kg/m <sup>3</sup>
COMBUSTIBILITY CLASS	C:s3-d0
THERMAL CONDUCTIVITY	0.034 W/mK
WEIGHT	Φ150 ~0.174kg; / Φ230 ~0.41 kg

Dimensions (mm)	Equivalent acoustic absorption area					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	3150 Hz
1230xΦ150	0.01	0.21	0.59	0.84	0.83	1.87
1230xΦ230	0.16	0.54	1.15	1.32	1.26	1.19

Dimensions (mm)	Equivalent acoustic absorption area					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	3150 Hz
1230xΦ150	0.06	0.20	0.56	0.84	0.83	0.78
1230xΦ230	0.17	0.51	1.10	1.33	1.29	1.22



## SOUND & ACOUSTIC ABSORPTION



# SOUND AND ACOUSTIC INSULATION

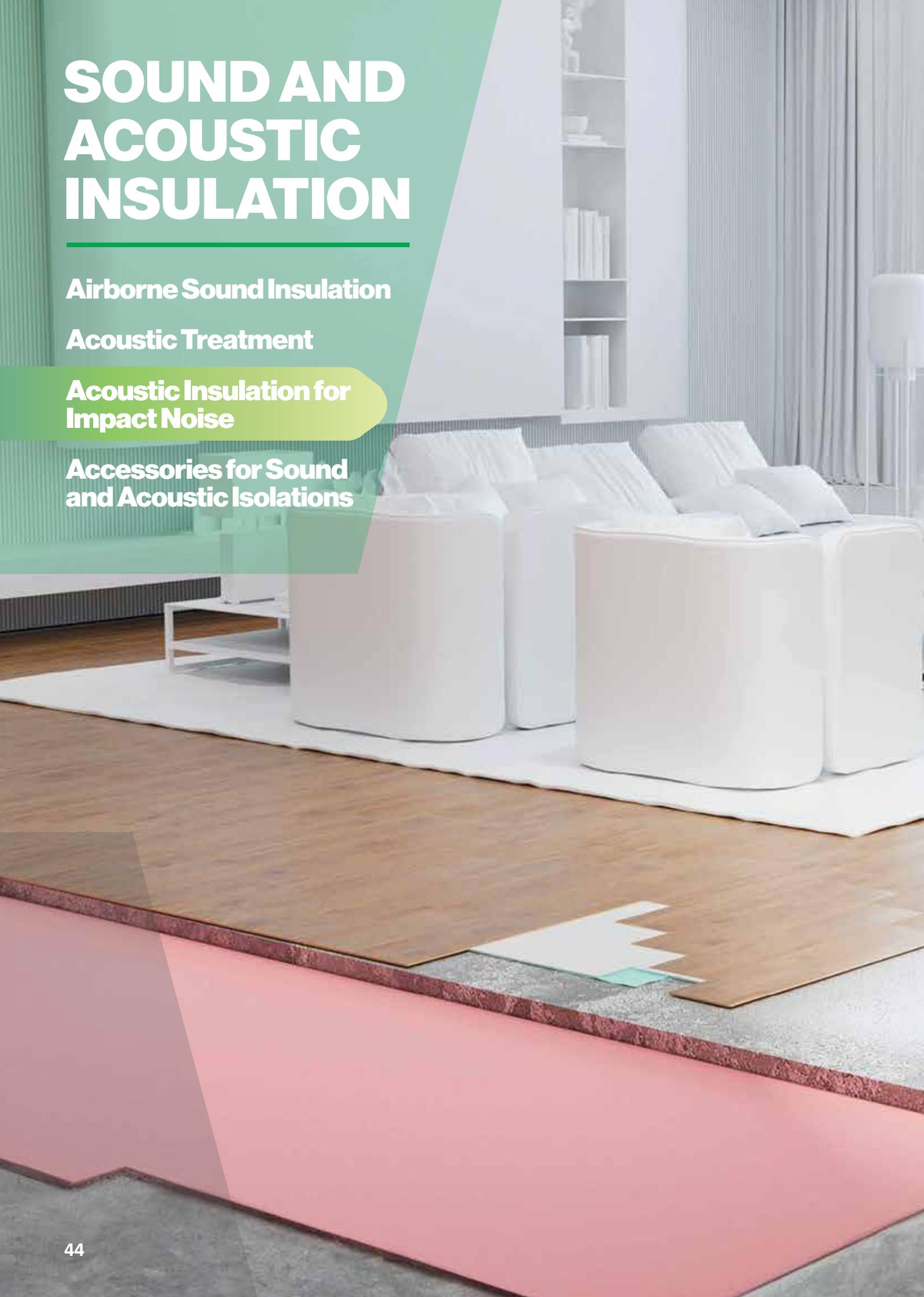
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**Airborne Sound Insulation**

**Acoustic Treatment**

**Acoustic Insulation for Impact Noise**

**Accessories for Sound and Acoustic Isolations**





## RECYCLED PU FOAM SOUND-INSULATION ROLL

SKU: 13958 / 13959



The Sound Insulation Membrane is a product made of recycled polyurethane foam with rubber granules inserted in the composition.

The density, elastic structure, open cell and the insertion of rubber granules of the material ensure superior sound insulation compared to classic materials.

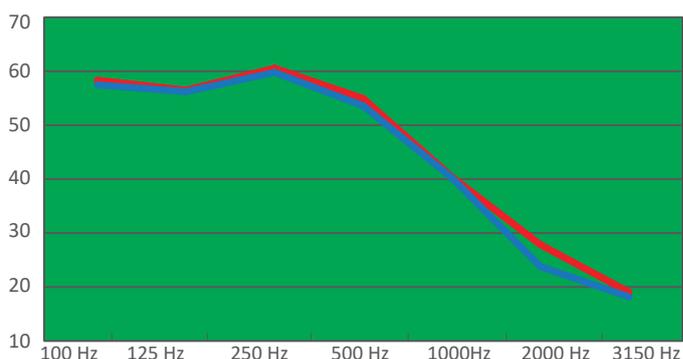
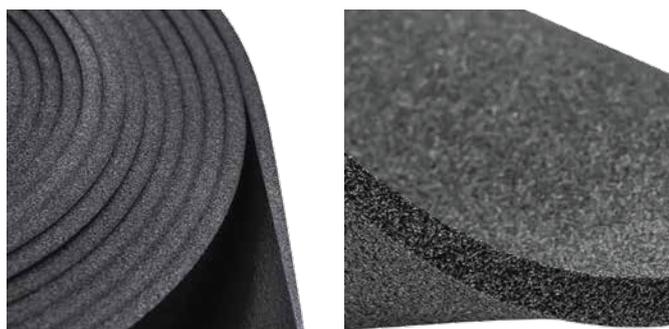
The material of the membrane ensures increased comfort during walking, also increasing the resistance of the parquet over time.

The sound absorbing membrane is used to improve the acoustic insulation parameters for impact noise, in residential buildings, apartments, hotels, cottages, offices, industrial buildings, etc.

<b>MATERIAL DENSITY PGR 310</b>	310 kg/m <sup>3</sup>
<b>COMBUSTION CLASS</b>	E
<b>THERMAL CONDUCTIVITY</b>	0.0455 W/mK
<b>SIZES</b>	20000 x 1000 x 3 mm 20000 x 1000 x 5 mm

Dimensions (mm)	Impact sound insulation value "Ln, w" (dB)/frequency Ln,w							
	100 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	3150 Hz	(dB)
Reinforced concrete 12 cm +PGR 310 slab 5 mm +laminated parquet 7 mm	57.2	55.9	59.6	53.2	39.4	22.4	16.6	53
Reinforced concrete 12 cm +PGR 310 slab 3 mm +laminated parquet 7 mm	58.1	56.2	60.4	54.6	39.6	26.6	17.5	55

- Reinforced concrete 12 cm  
+PGR 310 slab 3 mm  
+laminated parquet 7 mm
- Reinforced concrete 12 cm  
+PGR 310 slab 5 mm  
+laminated parquet 7 mm



# SOUND AND ACOUSTIC INSULATION

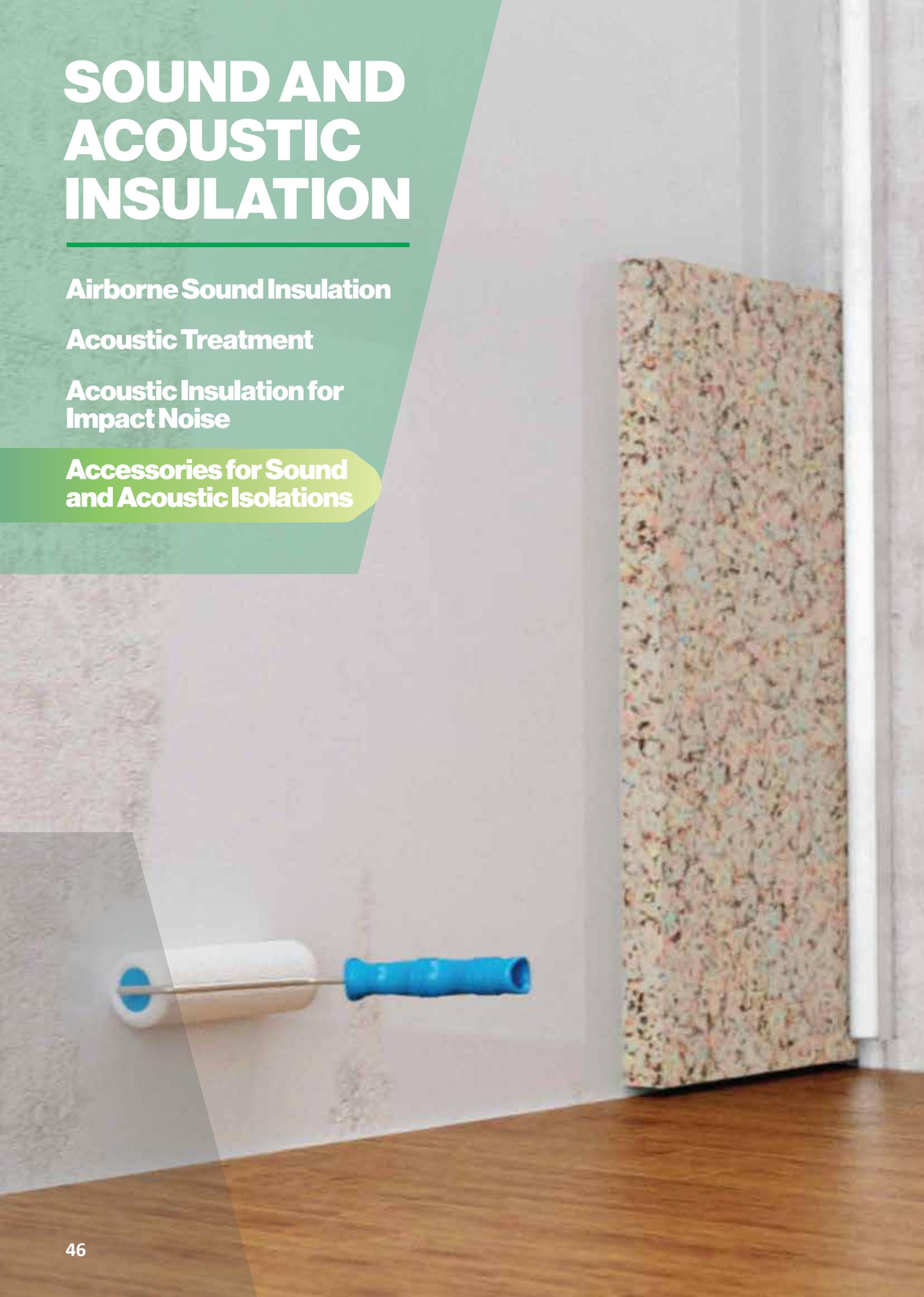
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**Airborne Sound Insulation**

**Acoustic Treatment**

**Acoustic Insulation for Impact Noise**

**Accessories for Sound and Acoustic Isolations**





## UNIVERSAL BISON CONTACT ADHESIVE

SKU: 14174 / 14175 / 14500

This super-strong universal contact adhesive is based on neoprene rubber. For innumerable repair and DIY jobs that require immediate bonding. Extremely suitable for materials under strain.

The product glues wood, plank, veneer, plastic and metal panels, rubber, leather, cork, canvas, linoleum and polyurethane foam (sound insulation) and it is NOT suitable for polystyrene, PE and PP.

Use a solid brush or fine-toothed (1 mm) glue spreader to cover large surfaces. Use a roller or rubber mallet to join the materials firmly.



4,5 l



650 ml



250 ml



- ✓ bonds immediately
- ✓ super-strong
- ✓ universal
- ✓ simple to use
- ✓ liquid
- ✓ moisture & frost resistant
- ✓ resistant to temperatures between -40 °C and +70 °C

For optimum results, both the adhesive and the parts to be bonded must be at room temperature (definitely do not use below +10 °C).

The final bonding strength depends on the pressure applied. Therefore, press as firmly as possible across the entire surface.



## SOUND & ACOUSTIC INSULATION



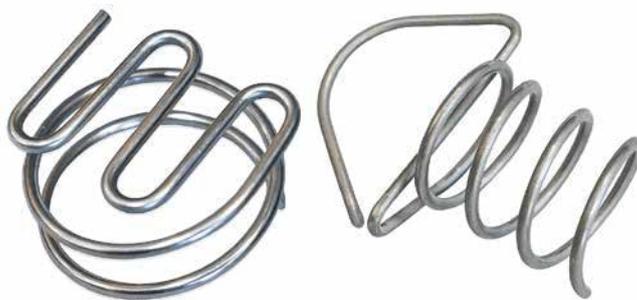
## Whisper® MOUNTED CORKSCREW

**Flush Mounted Corkscrew Hangers** are specially designed accessories for holding and fixing Whisper® sound-absorbing boards. The tiles are used to reduce noise in spaces where it is disturbing, such as: swimming pools, gyms and other sports events.

This type of hangers can be used both for sound-absorbing boards installed inside and outside, since they are made of stainless steel.

Flush Mounted Corkscrew hangers are installed using adhesives or 9 mm screws. In the case of using the adhesive, it is recommended that the Whisper® board be supported throughout the curing time.

When installing the tiles in the halls, the recessed hangers are installed between 6-8 pcs/m<sup>2</sup>.



## Whisper® HANGING CORKSCREW

**Hanging Corkscrew Hangers** are designed for hanging Whisper® sound-absorbing boards, used to reduce the noise in spaces where it is intense, such as: swimming pools, gyms and other sports events.

These hangers can be used for Whisper® sound-absorbing boards installed both indoors and outdoors, due to the fact that they are made of stainless steel.

Hanging Corkscrew hangers do not require the use of adhesives or screws for installation.

The installation instructions for hanging the boards involve the installation of 3 hangers on each width of the Whisper® board (1.2 m) and 5 hangers on each length (2.4 m).



# PIPE INSULATION

Pipe Insulation  
Foam Tubes





## STANDARD POLITUBE OF EPE FOAM

The product is suitable for use in installation and heating works in industry, offices and residential buildings. The insulation for pipes and ducts fulfills all the thermal and acoustic insulation criteria of central heating pipes, air conditioning installations, sanitary water and sewage installations.

The flexibility of the material and the pre-cutting of the polytube wall make it easy to install on the pipes. The basic characteristic of the product is its elasticity and good resistance to the mechanical and chemical actions of common construction materials.

The product significantly reduces heat loss, dampens sounds, and prevents condensation on cold water pipes and refrigeration equipment.



2000  
mm  
Length



15 - 76  
mm  
Diameter



6/9  
mm  
Thickness

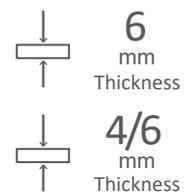
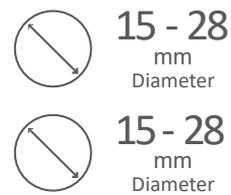
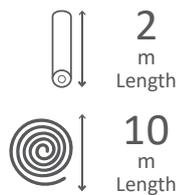
- The heat-insulating products from the politub range are delivered in cardboard packaging;
- The handling is done with precautions so as not to damage the packaging, the qualitative and quantitative integrity of the product and the product identification data;
- Transport is done in clean, covered means of transport to protect the product from dust or the weather.

APPARENT DENSITY	28 kg/m <sup>3</sup>
DIAMETER	15/18/20/22/25/28/35/ 42/48/54/60/63/76 mm
THERMAL CONDUCTIVITY	$\lambda$ 0.0476 W/Mk, $\lambda$ 100.0491 W/Mk, $\lambda$ 230.0509 W/Mk, $\lambda$ 400.0533 W/Mk,
SHORT & LONG-TERM WATER ABSORPTION BY PARTIAL IMMERSION	WS 0.1
OPERATING TEMPERATURE	-40°C și 90°C
PRE-CUTTING	YES

# PIPE INSULATION



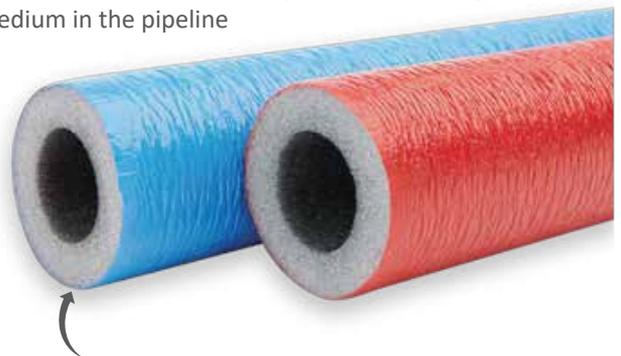
## LAMINATED POLITUBE OF EPE FOAM



Color		Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Blue	Blue	Blue	Blue	
Length	m	2	2	2	2	10	10	10	10	10	10	10	2	2	2	2	
Inner diameter	mm	15	18	22	28	15	18	22	28	18	22	28	15	18	22	28	
Thickness	mm	6	6	6	6	4	4	4	4	6	6	6	6	6	6	6	
Packing quantity	ml/bax	410	400	300	230	10	10	10	10	10	10	10	410	400	300	230	
Delivery/show mode		bar	bar	bar	bar	roll	bar	bar	bar	bar							
Precutting		yes											yes				
Thermal conductivity		$\lambda = 0.036 \text{ W/mK, } 0^\circ\text{C} / \lambda = 0.040 \text{ W/mK, } 40^\circ\text{C} / \lambda = 0.045 \text{ W/mK, } 70^\circ\text{C}$															
Short and long-lasting water absorption by partial immersion		WS005															
Vapor resistance		NPD															
Resistance to compression		A															
Recommended temperature for the installation of insulation		5°C															

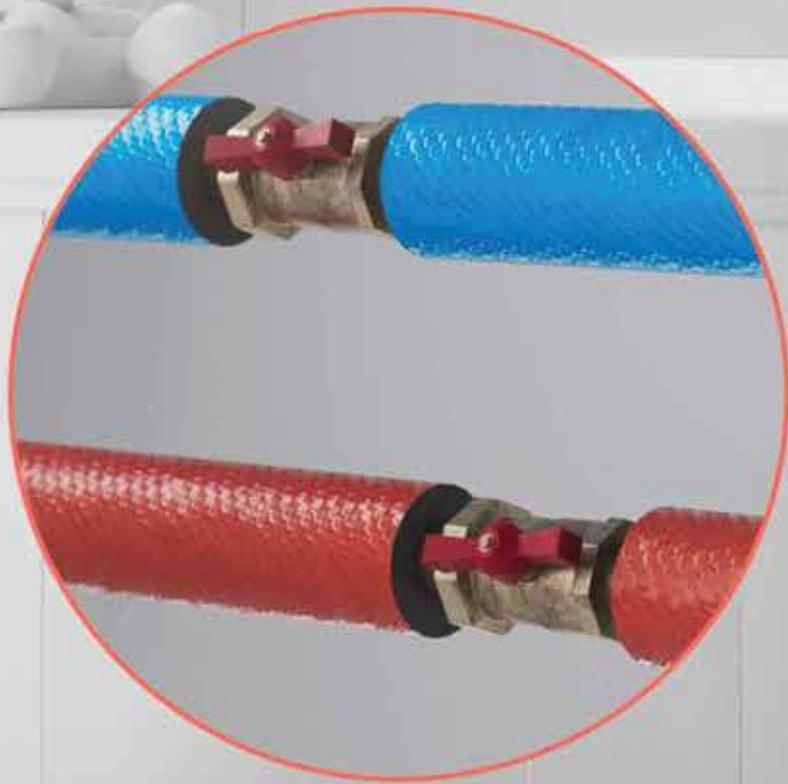
The product is differentiated by color - according to the type of medium in the pipeline

- ✓ Excellent thermal insulating properties;
- ✓ Increased mechanical durability;
- ✓ Increased vapor non-permeability;
- ✓ High resistance against damping;
- ✓ Easy installation;
- ✓ Possibility of color coding hot and cold water;
- ✓ Modern design;
- ✓ Harmless to health and environment.



LDPE foil - high resistance to damage during assembly

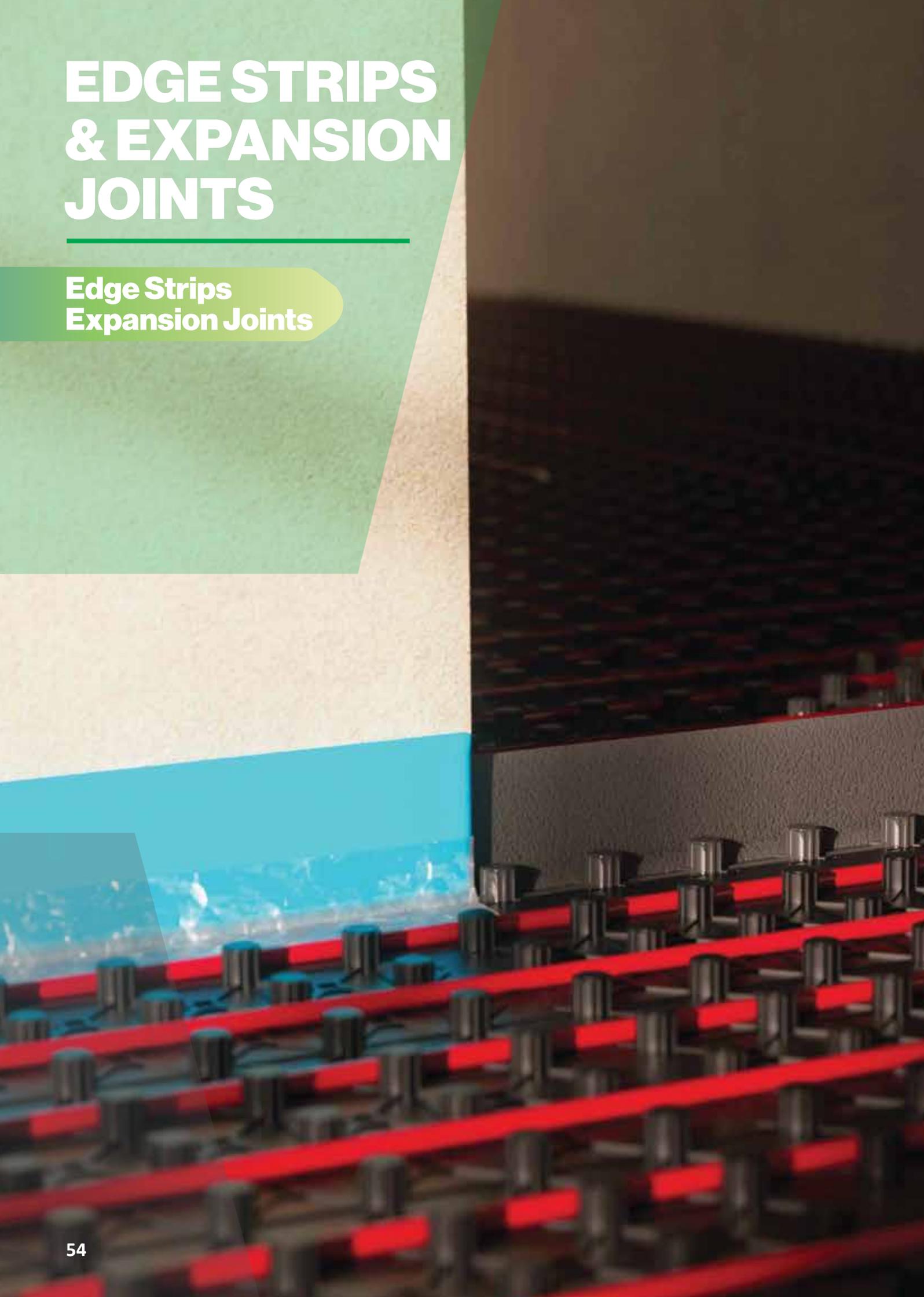
## PIPE INSULATION



# EDGE STRIPS & EXPANSION JOINTS

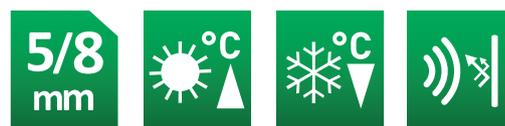
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Edge Strips  
Expansion Joints





## UNDERFLOOR HEATING EDGE INSULATION STRIP



The product is available with simple LDPE foil and with LDPE foil and adhesive tape. It is designed to be used for floor heating in residential buildings or for office, storage spaces, production or with social destinations.

The perimeter strip separates the floating screed from the walls, it is used as an expansion joint and sound insulator. The PE layer of the perimeter tape ensures sticking on corners.

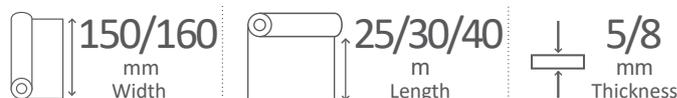
The polyethylene film prevents the penetration of moisture from the trench and the formation of acoustic and thermal bridges.

The perimeter strip is mounted on the entire contour of the room and on any structure that exceeds the level of the floor.

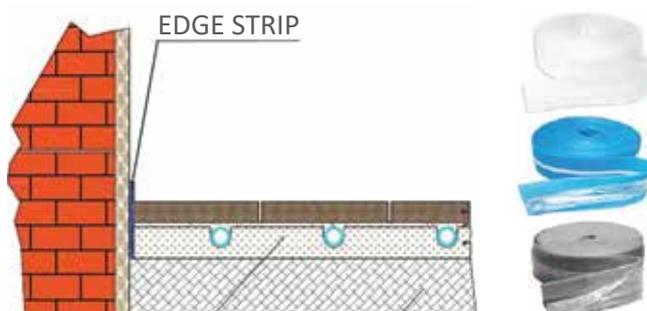
It is fixed on the surface of the wall and then, with the help of the type, on the waterproofing film or on the polystyrene plates.

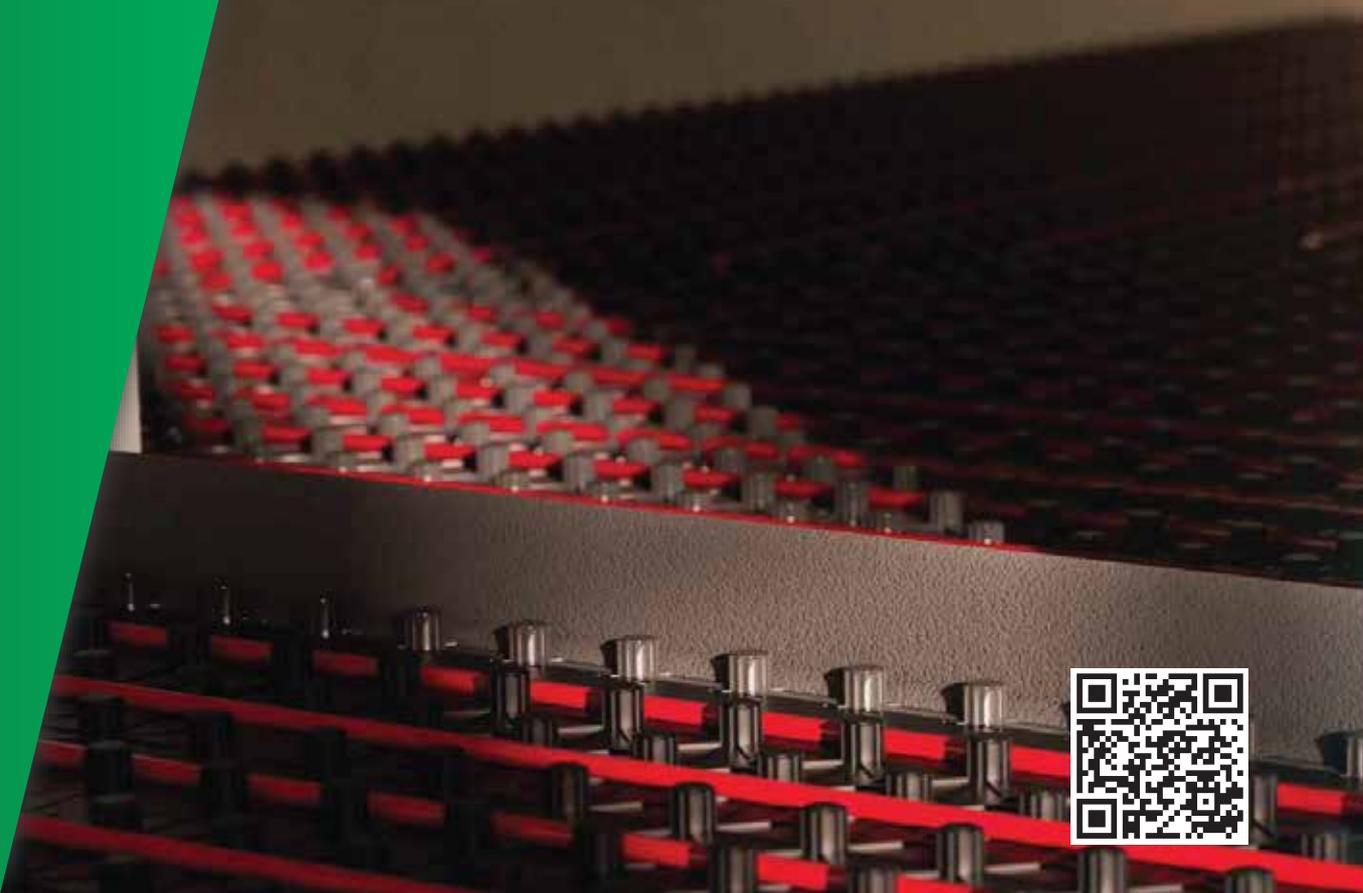
The product is part of the category of polymers, characterized by high elasticity, low permeability to liquids, as well as sound-absorbing properties, with excellent protection properties against shocks and vibrations, excellent resistance to breaking, resistance over time, being insensitive to the action of insects and rodents.

It is a 100% recyclable product, it does not contain substances toxic to the body and it does not emit radioactive emissions.

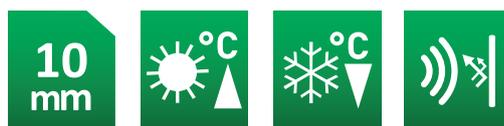


		White	White	Blue	Gray	Tolerance
<b>COLOR</b>	-	White	White	Blue	Gray	-
<b>THICKNESS</b>	mm	5	8	8	8	+/- 10%
<b>LENGTH</b>	m	30	30	30	40	+/- 2%
<b>WIDTH</b>	mm	150	160	160	150	+/- 6%
<b>PIECE/PALLET</b>	-	5	5	5	4	-
<b>DENSITY</b>	kg/m <sup>3</sup> m	23	23	23	18	+/- 10%
<b>FLAP</b>	m	yes	yes	yes	130	-
<b>ADHESIVE</b>	-	no	no	yes	no	-
<b>COMBUSTION CLASS</b>	-	E	E	E	E	-
<b>THERMAL CONDUCTIVITY <math>\lambda_{10}</math></b>	W/mK	0.058	0.058	0.058	0.0578	-
<b>HEAT RESISTANCE <math>R_{10}</math></b>	m <sup>2</sup> K/W	0.14	0.14	0.14	0.14	-





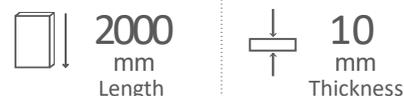
## EPE FOAM EXPANSION JOINT "T" SHAPE



T-profiles are made of closed cell polyethylene foam structure. They are used for perfect spatial separation of dilatation fields and create a permanent elastic joints in concrete and anhydrite floors. The dilatation T-sections prevent damage floors in buildings with a higher level of mechanical load. Fixing self-adhesive layer on the underside profile allows for easy and quick installation. Mutual compatibility with perimeter expansion joints TUBEX® strips ensures perfect expansion function in the floor.

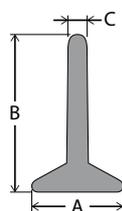
THICKNESS	10 mm
SIZE	2000 mm x10 mm
FOAM DENSITY	30 kg/m <sup>3</sup>
COLOR	Gray
REACTION TO FIRE	Class E
THERMAL CONDUCTIVITY (40 °C)	≤ 0.040 W/(mK)
SHORT-TERM ABSORBABILITY	WS 01 (0.08 kg/m <sup>2</sup> )
WATER VAPOR PERMEABILITY	MU 2000
MAXIMUM OPERATING TEMPERATURE	ST (+)95

- Quick and easy installation thanks to the self-adhesive layer that ensures stability of the profile when pouring floors;

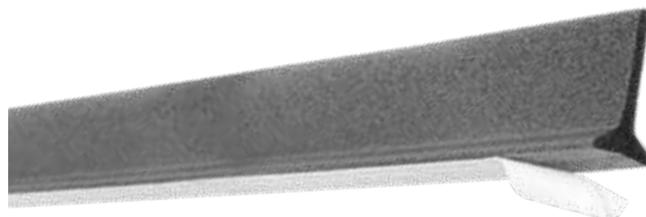


- T-profile ensures permanently elastic joints in concrete or anhydrite floors;
- Perfect separation of individual bays and building penetrations between rooms;
- Sound insulation – the dilatation profile significantly reduces the transmission of noise from the floor to the structure;
- Health and ecological safety;

T-profiles are supplied in 2 m lengths, in a carton with dimensions 205 x 60 x 40 cm.



Name Product	Dimension (mm)			Quantity per carton (m)
	A	B	C	
T80	36 - 44	76 - 84	8 - 12	264
T100	36 - 44	96 - 104	8 - 12	220





## ROUND PROFILE EPE FOAM EXPANSION JOINT

This product is used as expansion joint is made of polyethylene foam with closed cells, intended for filling joints or for limiting their height before applying polyurethane or silicone based sealants.

With the help of the expansion joint, the sealing materials thus take an ideal shape, for the optimal absorption of the movement and for the efficient use of the materials. The sealing of joints and expansion joints requires the use of a round profile that serves as a waterproof filling material for them to work permanently.

The structure of the round profile is made of polyethylene foam with closed cells. The joint profile can be used for: floors, facades, joints in prefabricated concrete elements, joints in voids and penetrations etc.

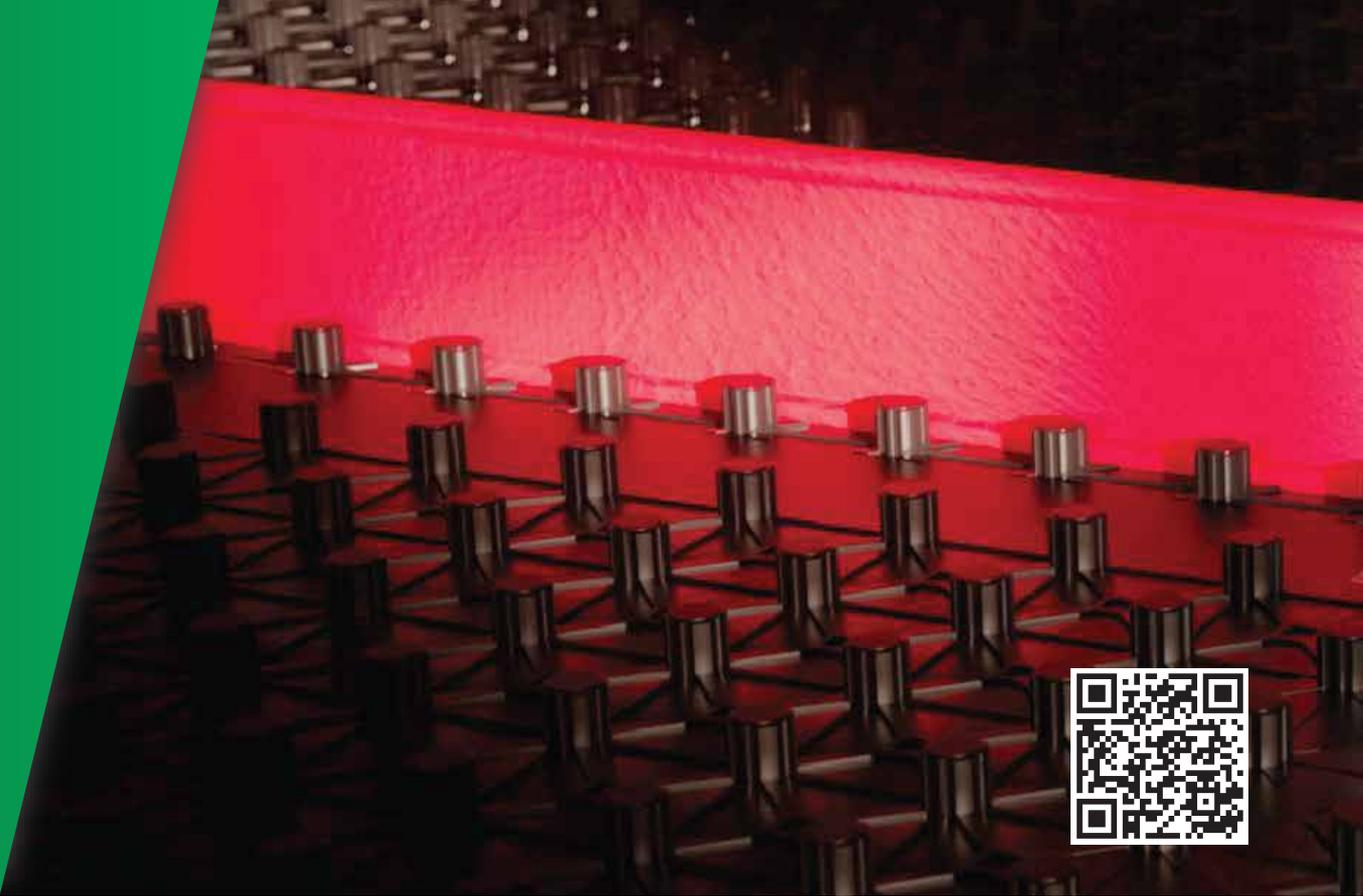
DIAMETER	7/15/30 mm
DENSITY	22 ± 5 kg/m <sup>3</sup>
FIRE CLASS	Euroclas E (EN 13501-1)
COLOR	Gray



The product is part of the category of polymers, characterized by high elasticity, low permeability to liquids, as well as sound-absorbing properties, with excellent protection properties against shocks and vibrations, excellent resistance to breaking, resistance over time, being insensitive to the action of insects and rodents.

- FILLING GAPS, SEALING WINDOWS AND DOORS
- IT CAN BE APPLIED BOTH OUTSIDE AND INSIDE
- EXTREMELY FLEXIBLE

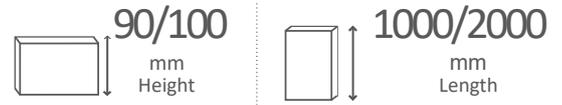




## EPE FOAM EXPANSION JOINT "I" SHAPE

This product is used in pouring concrete and screeds as an expansion joint. Made of expanded polyethylene with closed pores, it is stable over time and serves to fill and limit the depth of the expansion joint before sealing with polyurethane-based products. Use according to the instructions provided in the product documentation.

This profile is used to avoid the accumulation of pressure in the cast material and the appearance of cracks in a short time. It is demonstrated that any cast concrete undergoes changes over time due to various external actions.

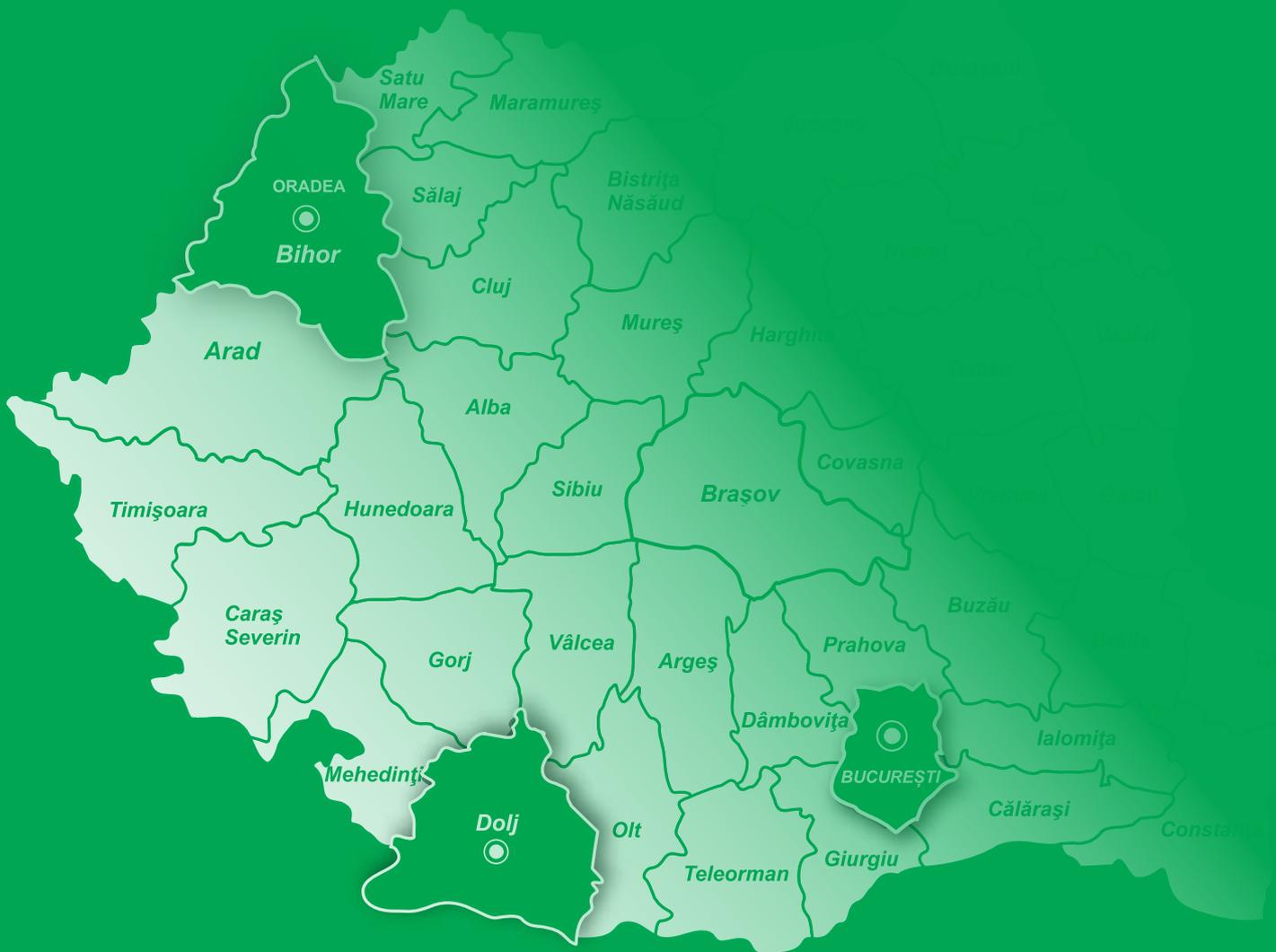


In the absence of measures that are taken even after pouring the concrete (installation of expansion joints), the effects over time will lead to significant degradations that endanger the construction.

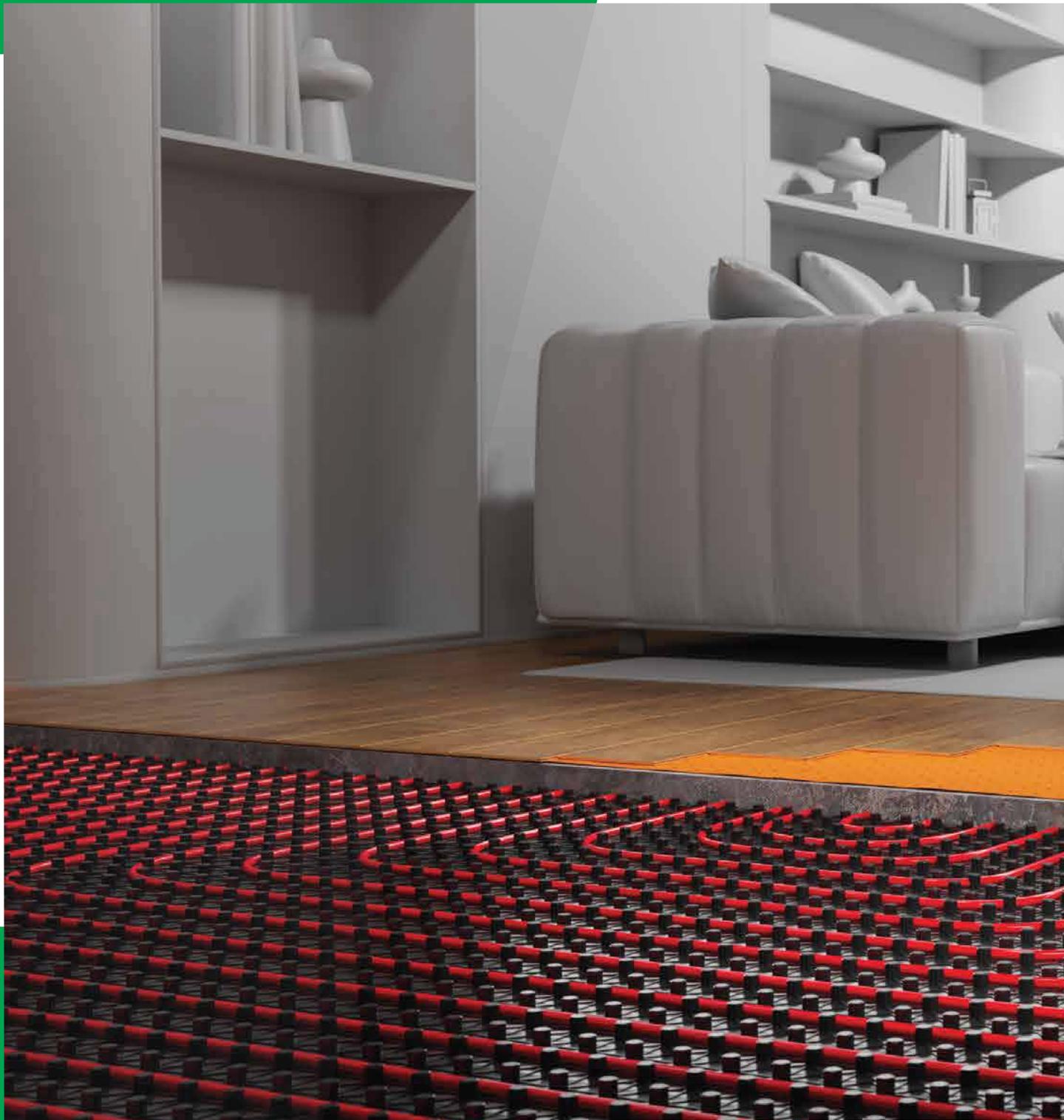
The profile does not change over time and is used to fill joints and limit their depth.



LENGTH	2000 mm
HEIGHT	90 / 100 mm
DENSITY	50 kg/m <sup>3</sup>
OPERATING TEMPERATURE	-10 °C + 80 °C
CELLULAR STRUCTURE	Closed cells
COLOR	Red and blue
COMPRESSIVE STRESS AT 10% STRAIN	SV 90: 21.5 kPa-SE 100: 9.6 kPa test report COMP/01/09/GG DATED 07/05/09



**ISOTECKLINE®**



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SCAN ME  
FOR VIDEO 

