PAROTEC®

CATALOGUE

roof membranes and accessories

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PAROTEC®

DEAR CUSTOMERS

The PAROTEC company, thanks to its stable position on the market, is one of the leading and better recognised manufacturers of roofing underlays and roofing accessories.

Thanks to the use of advanced technologies, Parotec products offer excellent technical parameters. The company's absolute priority is the highest quality of offered products, many of which have been internationally certified.

Our leading line of Parotec high diffusion breathable membranes is accompanied by other roof underlays, vapour barriers and diffusive films. Traditionally, we offer a rich lineup of roof accessories, such as: ridge rolls, ridge vents, chimney flashing tapes, metal sheet flashings, roof valleys, tile clips, elements of roof walkways, and snow protection. The production plant of Parotec is located near Poznan and specialises in production of a wide range of roofing accessories and roof valleys.

By choosing to work with us, you gain very high quality products at an attractive price, convenience, availability, as well as the satisfaction from a pleasant cooperation. We hope that our website www.parotec.com.pl will prove to be a useful tool, helping you all the way through.

Best regards
The board members and employees of
Parotec sp. z o.o.
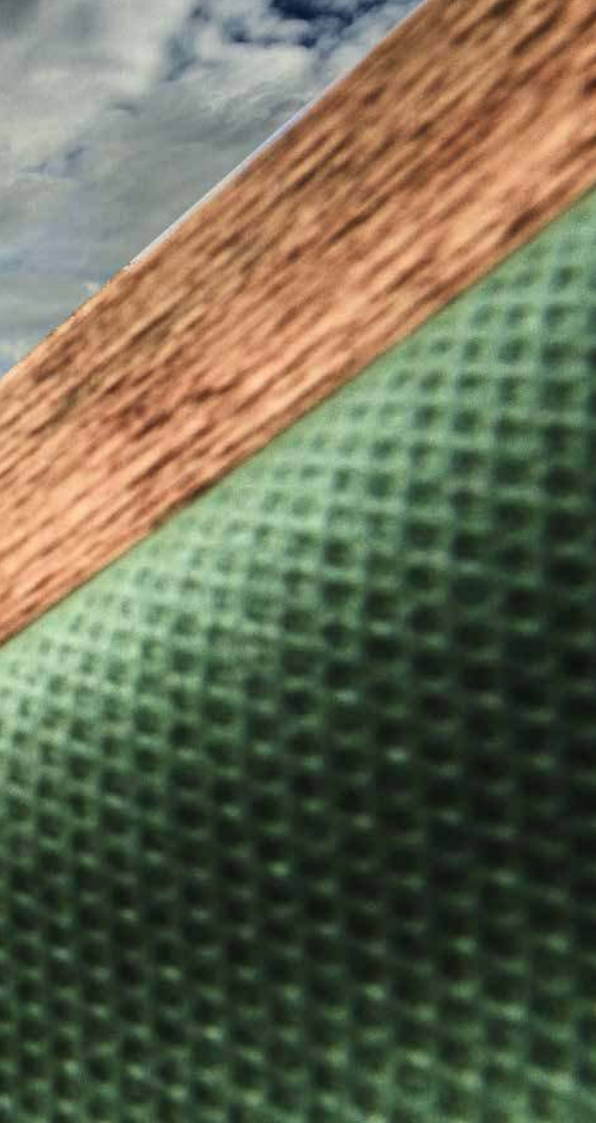
Q PRODUCTS OF
HIGH QUALITY

The quality of our products is our priority. We guarantee that the received product will meet all your demands.

HIGH
STOCK VOLUME

Our high stock volume guaranties that your order will be carried out efficiently and with no delays.

PROFESSIONAL
## CONSULTANTS

We offer an experienced technical support. Our consultants will give you complete information about the products you are looking for.

24h TERMS OF
DELIVERY

The time of delivery is cruicial to the success of your investment. Our products will be delivered in **3-5 working days.**

The highest quality of the products is the best guarantee of your investments success
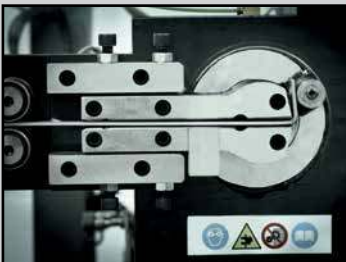
Effective hydroisolation

BECAUSE OF CONSTANT CHANGES IN THERMAL INSULATION TECHNOLOGY OVER THE YEARS, IT BE-CAME NECESSARY TO TAKE SPECIAL CARE OF PROPER VENTILATION IN THE ROOF CONSTRUCTION. MOSTLY IT IS BEING DONE BY HIGH DIFFUSION MEMBRANES AS THE PRE-COVERING AND LINEUP OF VAPOUR BARRIER FOILS TO SECURE THE INSULATION MATERIAL (OFTEN MINERAL WOOL) AGAINST MOISTURE COMING FROM INSIDE OF THE BUILDING.

Roofing underlayment is a water-resistant or waterproof barrier that is installed directly onto your roof rafters. It is applied under all other roofing materials as an added layer of protection from severe weather and moisture.

The roofing membrane system is easy and fast to mount. Membranes, unlike the low diffusion roof foils, can be installed directly on the insulation layer, without the need of building a ventilation gap between them. It shortens the time of mounting and increases the efficiency and life span of the thermal insulation.

Vapour barriers, contrary to membranes and roof foils, have a very high vapour penetration resistance factor, thus building a barrier against the excessive direct penetration of vapour into the structure of the insulation, which on the other hand can lead to the reduction of the effectivity or complete malfunction of the insulation. Vapour barriers covered with a layer of aluminium can serve as an additional insulation by reflecting the IR-rays which transfer heat.

Production of membranes

Our roofing membranes are made with three-layer technology and consist of two outer layers of polypropylene non-woven fibre and an internal functional film, which is responsible for water resistance and vapour permeability of the membrane. All layers are connected during the production process with micro point thermo-lamination which guarantees a high tensile resistance of the membrane. Depending on the type of the membrane, the outer non-woven fibre has a different density. Some products as Parotec Gamma Strong has additional layer of plastic mesh, which increas the durability of the membrane.

CRUCIAL
PICTOGRAMS

surface density   SD - value   water tightness

Terms of glossary

● **SD**

sd-value or "vapour diffusion thickness" expresses the diffusion resistance of a layer in a form which is easily understood and applied. The lower the value the higher the vapour diffusion through the surface of the product. High diffusion membranes are products with an SD-value lower than 0.1m.

● **Surface density**

defines the substance of the product and indirectly shows the durability of the product against mechanically caused damage. The surface density is strictly related to its use.

● **UV-resistance**

Membranes and foils, as any other plastic material, have a limited endurance to sunlight, which in this case varies from 60 to 90 days.

● **Vapour barrier**

is a group of low vapour permeability foils, used for securing mineral wool against moisture.

● **Wind barrier**

a type of high diffusion membrane used for securing the insulation (mineral wool) of a wall against cooling by the outside air. The product is not meant to be used on sloap pitched roofs as the pre-covering.

● **Thermo-insulation screen**

insulating material coated with aluminium that is used to reflect infrared heat waves.

I.

ROOF MEMBRANES

IN THIS SECTION

Roof membranes and foils
Vapour barriers
Thermo-insulation screens
Wind barriers
Adhesive tapes for membranes and foils

Parotec breathable membranes
for pre-covering of pitched roofs

We offer a variety of different breathable types to fit the needs of our customers. Our three layer membranes start with Parotec Alfa 110g/m^2 standard membrane, Parotec Beta 130g/m^2 with increased endurance, Parotec Gamma 160g/m^2 and Parotec Gamma Strong 165g/m^2 with reinforced grid for even better durability. All of them are topped by Parotec Kappa, our 220g/m2 four-layer membrane. **All are becked by a 15-year guarantee.**

Sealing system
To ensure full tightness of the initial covering layer it is recommended to use the dedicated tapes of Parotec for joining, repairing and sealing the roofing membranes.

Tensile resistance
The structure of the membrane, by using the micro welding method for connecting the individual material layers, ensures high resistance to tearing and point damage during the mounting.

Vapour permeability
Low indicator of water vapour resistance (Sd ~ 0.03) Parotec membranes allow quick drainage of steam which reduces the risk of moisture in the roof's thermal insulation.

Four-layer technology
The membranes like Protec Kappa produced in the four-layer technology are composed of two outer layers and special reinforcing grid that are protecting the internal function film which is responsible for vapour permeability and watertightness of the membrane.

Surface density guarantee
The maximal tolerance of density is barely 3% and is the lowest such indicator among high diffusional products that are available on the market.

PAROTEC Alfa

It is a light weight roof membrane made out of two layers of UV-stable polyprophyleen fibre and also a UV-stable function film. The modern production technology of thermal lamination ensures the high quality of the product. The membrane typifies with a high vapour diffusion, water tightness and tensile strength. The PAROTEC Alfa membranes are meant for mounting directly on the rafters, as an additional means of protecting the roof construction and thermal insulation against the impact of moisture, dust, snow and wind. The product can be customised with a personal logo.

SURFACE DENSITY	DIMENSIONN	TENSILE RESISTANCE LENGTHWISE/CROS-SWISE	SD-VALUE	UV-RESISTANCE	VAPOUR DIFFUSION	ROLLS PER PALLET
110 g/m²	1.5x50 m = 75 m²	220/120 N/5 cm	<0.03 m	90 days	WDD = 3500 g/m²/24h	30 rolls

■ **PRODUCT CODE** (type)

standard - without integral adhesive tape		10-047
plus - with integral adhesive tape		10-078

Comes also with
integral adhesive tape
PLUS

PAROTEC Beta

A roof membrane made out of two layers of UV-stable polypropylene fibre and also a UV-stable, function film. Recommended for investors who use construction materials with elevated technical parameters. The modern production technology of thermal lamination ensures the high quality of the product. The membrane typifies with a high vapour diffusion, water tightness and tensile strength. The PAROTEC Beta membranes are meant for mounting directly on the rafters, as an additional means of protecting the roof construction and thermal insulation against the impact of moisture, dust, snow and wind. The product could be customized with personal logo.

SURFACE DENSITY	DIMENSIONN	TENSILE RESISTANCE LENGTHWISE/CROS-SWISE	SD-VALUE	UV-RESISTANCE	VAPOUR DIFFUSION	ROLLS PER PALLET
130 g/m²	1.5x50 m =75 m²	260/160 N/5 cm	<0.03 m	90 days	WDD = 3500 g/m²/24h	24 rolls

■ **PRODUCT CODE** (type)

standard - without integral adhesive tape		10-048
plus - with integral adhesive tape		10-079

Comes also with
integral adhesive tape
PLUS

PAROTEC gamma

A roof membrane made out of two layers of UV-stable polyprophyleen fibre and also a UV-stable, function film. Recommended for investors that prefer solid materials of highest class. The modern production technology of thermal lamination ensures the high quality of the product. The membrane typifies with a high vapour diffusion, water tightness and tensile strength. The PAROTEC gamma membranes are meant for mounting directly on the rafters, as an additional means of protecting the roof construction and thermal insulation against the impact of moisture, dust, snow and wind. The product could be customized with personal logo.

SURFACE DENSITY	DIMENSIONN	TENSILE RESISTANCE LENGTHWISE/CROS-SWISE	SD-VALUE	UV-RESISTANCE	VAPOUR DIFFUSION	ROLLS PER PALLET
160 g/m²	1.5x50 m =75 m²	310/210 N/5 cm	<0.03 m	90 days	WDD = 3000 g/m²/24h	24 rolls

■ **PRODUCT CODE** (type)

standard - without integral adhesive tape		10-049
plus - with integral adhesive tape		10-080

Comes also with
integral adhesive tape
PLUS

PAROTEC gamma strong
Extra strong membrane with reinforcing grid

It is a reinforced version of the PAROTEC Gamma membrane. With the use of reinforcing grid, the product's resistance to stretching and ripping is increased with only a slight change in weight. The PAROREC Gamma Strong membrane has high water vapour permeability and water-tightness properties and meets the highest standards in terms of quality and resistance. The PAROTEC Gamma Strong membrane should be mounted directly on rafters or on fully boarded roofs. The product can be customised with a personal logo.

SURFACE DENSITY	DIMENSIONN	TENSILE RESISTANCE LENGTHWISE/CROS-SWISE	SD-VALUE	UV-RESISTANCE	VAPOUR DIFFUSION	ROLLS PER PALLET
165 g/m²	1.5x50 m =75 m²	500/350 N/5 cm	<0.03 m	90 days	WDD = 3200 g/m²/24h	24 rolls

■ **PRODUCT CODE** (type)

standard - without integral adhesive tape	10-052

Comes also with integral adhesive tape

PLUS

PAROTEC sigma
Optimal surface density!

It is a three-layer, approximately 190 g/m² roof membrane with excellent mechanical strength, high vapour permeability and waterproofness. It can be installed directly on rafters and thermal insulation or on fully supported roofs. The product can be customised with a personal logo.

SURFACE DENSITY	DIMENSIONN	TENSILE RESISTANCE LENGTHWISE/CROS-SWISE	SD-VALUE	UV-RESISTANCE	VAPOUR DIFFUSION	ROLLS PER PALLET
190 g/m²	1.5x50 m =75 m²	340/250 N/5 cm	<0.04 m	90 days	WDD = 3000 g/m²/24h	15 rolls

■ **PRODUCT CODE** (type)

standard - without integral adhesive tape	10-056
plus - with integral adhesive tape	10-082

Comes also with integral adhesive tape

PLUS

PAROTEC kappa
The highest surface density available in the offer!

It is a three-layer, approximately 220 g/m² roof membrane with excellent mechanical strength, high vapour permeability and waterproofness. PAROTEC Kappa meets the highest quality and strength requirements so it is designed for the most demanding customers. It can be installed directly on rafters and thermal insulation or on fully supported roofs. The high-quality materials used to manufacture Parotec **Kappa 220 allows this membrane to be exposed to sunlight for up to 6 months!** The product can be customised with a personal logo.

SURFACE DENSITY	DIMENSIONN	TENSILE RESISTANCE LENGTHWISE/CROS-SWISE	SD-VALUE	UV-RESISTANCE	VAPOUR DIFFUSION	ROLLS PER PALLET
220 g/m²	1.5x50 m =75 m²	460/310 N/5 cm	<0.04 m	180 days	WDD = 2800 g/m²/24h	15 rolls

■ **PRODUCT CODE** (type)

standard - without integral adhesive tape	10-053
plus - with integral adhesive tape	10-054

180 days UV-RESISTANCE

PAROTEC PLUS
new membrane line with
double adhesive tape!

Fast and accurate assembly

Parotec membranes with the "plus" line, are equipped with special adhesive strips that facilitate and accelerate assembly work on the roof. Only a properly bonded membrane is an effective waterproofing barrier. In addition, the tight connection of the membrane strips prevents the thermal insulation layer from whiffing, increasing its efficiency. Strips with acrylic adhesive on the inner and outer side of the non-woven fabric should be glued to each other, which guarantees strong bonding on the overlap. The temperature of connecting the belts with each other is 5 °C - 25 °C. Do not glue at too low or too high temperatures and make the adhesive layer dirty. The protective film on the adhesive strips should be removed when gluing.

Comes also with
integral adhesive tape

PLUS

NEW!

PAROTEC Metallo

SPECIALISED MEMBRANE FOR
standing seam roof panel

It is a flexible, diffusion-open structural dividing layer. It can be used on all pitched roofs with metal, flat cover and metal facades. It has a carrier foil with an 8 mm high, openwork, profiled structure made of entangled polyamide fibres. Ensures permanent ventilation of the underside of the metal cover. Due to the carrier foil, open for steam diffusion, residual moisture from the roof structure and thermal insulation migrates outwards. Mutes the sounds of rain and hail to 8 dB. Due to the high density of the profile structure, it guarantees that the tinware sections can slide without inhibiting rubbing at temperature fluctuations.
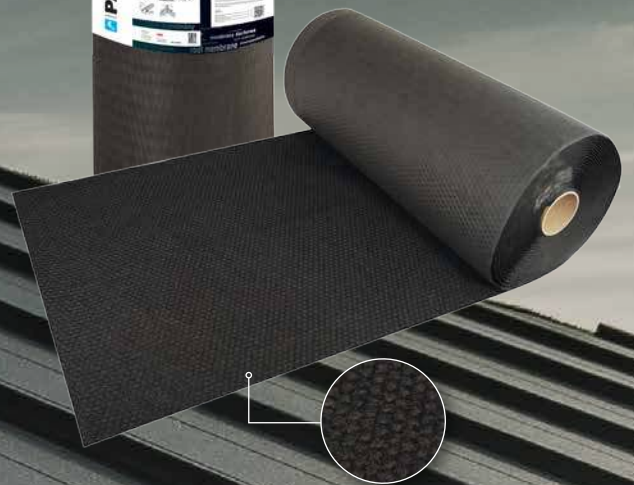
SURFACE DENSITY	DIMENSIONN	UV-RESISTANCE	SD-VALUE	GRID HEIGHT	WATER TIGHTNESS	ROLLS PER PALLET
450 g / m²	1.5x25 m =37.5 m²	4 months	< 0.02 m	8 mm	W1	8 rolls

PRODUCT CODE

standard   10-085

PAROTEC Matt (without membrane)

Structured mat in the version without a carrier film. It can be used on all pitched roofs with metal, flat cover and metal facades. It has a high 8 mm openwork profiled structure made of entangled polyamide fibres. Ensures permanent ventilation of the underside of the metal cover. Mutes the sounds of rain and hail to 8 dB. Due to the high density of the profile structure, it guarantees that the tinware sections can slide without inhibiting rubbing at temperature fluctuations.

| SURFACE DENSITY	DIMENSIONN	GRID HEIGHT	UV-RESISTANCE	ROLLS PER PALLET
300 g / m²	1.4x25 m =35 m²	8 mm	4 months	8 rolls

PRODUCT CODE

standard   10-086

PAROTEC®

Vapour barrier foils

Properties

Mounted inside the building before the mineral wool layer. The foil should be attached to a steel frame with the double-sided tape Steltec. During the installation, ensure a tight connection between each two strips of the foil, using dedicated tapes like Izotec or Alutec. The edges of the foil need to be securely attached to the wall with butyl tape Butyltec. Installation of thermo-insulation screens is similar to vapour barrier foil, with the difference that the space between the layers of screen, wool and wallboard should be at least 2 cm.
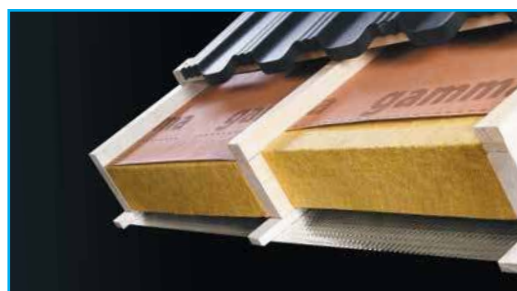
Grid reinforcement

Vapour barrier film Parotec alu has additional support for tearing, through an embedded polypropylene mesh between the foil layers.

Surface density guarantee

like among all the other membranes, the Parotec foils have maximum density tolerance of 10%, which lets them stand out from the rest of the products that are available on the market.

Vapour barrier

All types of vapour barrier foils are characterised by excellent water resistance and high water vapour resistance that is blocking vapour passage excess harmful to mineral wool.

Aluminium layer
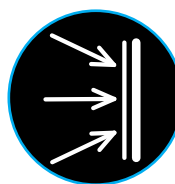
found in some models of foils, increases the efficiency of conventional insulation. Similar to thermal-insulation screens, it reflects infrared rays, which in effect reduces heat loss from the attic.

PAROTEC Alu 90/110/150

■ **PRODUCT CODE** 12-045(alu 90), 12-046(alu 110), 12-047(alu 150)

A 4-layer vapour barrier. One of the layers is metalised with high quality aluminium which reflects the infrared heat rays. The high tensile resistance is insured by the polyprophylene reinforced grid between the foil layers. Product is available in three types of surface density: 90/110/150 g/m².

SURFACE DENSITY	DIMENSIONN	UV-RESISTANCE	ROLLS PER PALLET
90/110/150 g/m²	1.5x50 m =75 m²	60 days	40/50 rolls

PAROTEC Active

■ **PRODUCT CODE** 12-070

A two-layer, active vapour barrier made out of fibre and a solid PE film, which serves as active resistance against water steam. It secures the space between the gypsum cardboard plate and itself from condensation of overflow vapour. Also, if there is such a need the moisture (for instance a wet roof truss) will have a way to slowly penetrate to the inside of the building. Active vapour barriers find their use in house and industry constructions as a vapour barrier layer, securing the attic from moisture getting into the thermal insulation from the inside. Thanks to the variable Sd value it can lead away the vapour overflow in both directions. This innovative solution used in the PAROTEC Active vapour barrier helps to prevent the effects of fungus and mould which are damaging the building. It also secures the construction wood from decaying.

SURFACE DENSITY	DIMENSIONN	UV-RESISTANCE	SD-VALUE	ROLLS PER PALLET
90 g/m²	1.5x50 m =75 m²	90 days	10m	40 rolls

VAPOUR BARRIER FOIL PE BLUE

■ **PRODUCT CODE** 12-018 (2 x 50m); 12-019 (4 x 25 m)

High quality vapour barrier 0.20 mm thick, and a low thickness tolerance. Made out of PE. The durability of this product will surprise even the most demanding investors. It is made for building a vapour tight insulation in walls, ceilings and roofs. It also secures the thermal insulation from moisture.

| THICKNESS	DIMENSIONN	WATER TIGHTNESS	REACTION TO FIRE	TENSILE RESISTANCE	ROLLS PER PALLET
0.20 mm	2x50 m 4x25 m =100 m²	Water tightness under pressure 2 kPa	E/F Euroclass	>70 N/5 cm (lengthwise) >50 N/5 cm (crosswise)	72 rolls

VAPOUR BARRIER FOIL PE YELLOW

■ **PRODUCT CODE** 12-021

High quality vapour barrier 0.20 mm thick and a low thickness tolerance. Made out of PE. The durability of this product will surprise even the most demanding investors. It is used in buildings as a vapour resistant layer insulation in walls, ceilings and roofs. It also secures the thermal insulation from moisture.

THICKNESS	DIMENSIONN	WATER TIGHTNESS	REACTION TO FIRE	TENSILE RESISTANCE	ROLLS PER PALLET
0.20 mm	2x50 m 4x25 m =100 m²	Water tightness under pressure 2 kPa	E/F Euroclass	>70 N/5 cm (lengthwise) >50 N/5 cm (crosswise)	72 rolls
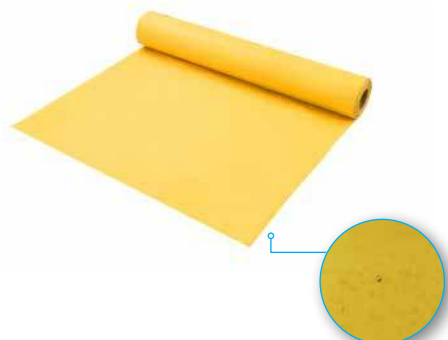
THERMO INSULATION SCREENS
WIND BARRIERS

FOLTERM Uno ■ PRODUCT CODE 12-260

Thin-walled thermo-insulation screen made out of one layer of honeycomb-like non-flammable PE bubble wrap structure, enclosed in two layers of metalised PE foil. Such construction allows to reflect infrared heat rays. It is used both in the walls and roofs as a vapour barrier layer.
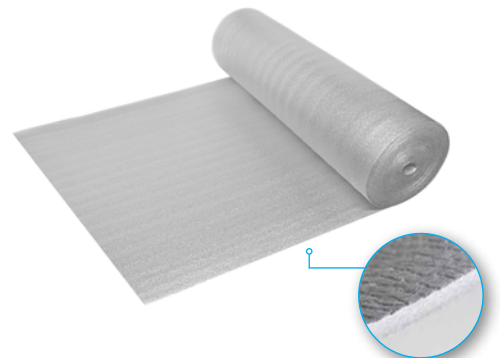
MATERIAL	THICKNESS	SURFACE DENSITY	ROLL DIMENSIONN	THERMAL RESISTANCE	FIRE RESISTANCE
PE bubble wrap PE metalised foil	3 mm	190 g/m²	1.2 m x 12.5 = 15 m²	≥ 0.6 m² K/W	n/a

FOLTERM Duo ■ PRODUCT CODE 12-261

Thin-walled, thermo-insulation screen made out of PE foam, enclosed in two layers of highly reflective aluminium foil. The main feature of the thermo-insulation screen is to reflect thermal energy, infrared heat rays from its surface.

MATERIAL	THICKNESS	SURFACE DENSITY	ROLL DIMENSIONN	THERMAL RESISTANCE	FIRE RESISTANCE
2 x Aluminium/ polyethylene	5 mm	170 g/m²	1.2 m x 25 = 30 m²	≥ 1.1 m² K/W	n/a

FOLTERM Multi ■ PRODUCT CODE 12-262

Thin-walled thermo-insulation screen made from two layers of honeycomb-structured non- flammable PE bubble wrap, enclosed in two layers of highly effective reflecting aluminium foil, which have been polished and secured from oxidation. Folterm Multi is a infrared rays reflecting system.

MATERIAL	THICKNESS	SURFACE DENSITY	ROLL DIMENSIONN	THERMAL RESISTANCE	FIRE RESISTANCE
2 x Aluminium/ polyethylene	7 mm	330 g/m²	1.20 m x 20 = 24 m²	≥ 1.1 m² K/W	YES

PAROTEC Vinto ■ PRODUCT CODE 10-077

Vapour permeable wind barrier, used in construction for water and wind insulation of walls. Used in residential and industrial buildings. The wind barrier PAROTEC Vinto is made out of UV resistant, thanks to the use of stabilising additives, polypropylene fibre. It ensures the high diffusion of vapour and reduces the air flow. PAROTEC Vinto finds its use in skeleton constructions as the insulation in ventilated elevations, log houses and siding elevations. The product does not require any ventilation gap, thus the thermal insulation (mineral wool, glass), can touch the wind barrier. The product should not be used on pitched roofs, where it is advised to use a roof membrane.

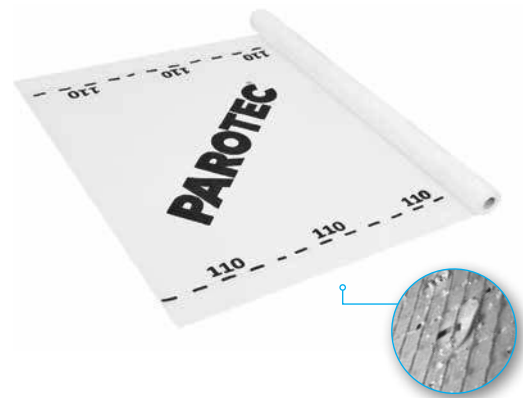| SURFACE DENSITY	DIMENSIONN	TENSILE RESISTANCE	SD-VALUE	UV RESISTANCE	WATERTIGHTNESS	PIECES PER PALLET
100 g/m²	1.5 x 50 m =75 m²	>210 N/5 cm (lengthwise) >130 N/5 cm (crosswise)	0.02 m	90 days	W3	30 rolls

ROOF FOILS
initial roofing layer for pitched roofs with loft

PAROTEC 90/110

A low water permeability roof foil, for poorly ventilated or non-insulated pitched roofs. Built out of two layers of polyethylene foil and a polypropylene grid between, which insures the tensile resistance. The roof foil PAROTEC 90 has microperforations on the surface, which ensures the proper vapour permeability. Because it is UV stable it can last up to 2 months while exposed to direct sunlight, thus giving enough time for the mounting of the roof covering.

SURFACE DENSITY	DIMENSIONN	UV-RESISTANCE	SD-VALUE	WATERTIGHTNESS	ROLLS PER PALLET
90/110 g/m²	1.5 x 50 m = 75 m²	60 days	3.5 m	W2	50 rolls

■ **PRODUCT CODE**

10-075 (parotec 90)
10-074 (parotec 110)

CONSTRUCTION FOIL
isolation against building dampness

Black contruction foil

Product used for isolation against dampness, applied on or under floors, the ground slabs in order to prevent from water not exerting hydrostatic pressure passing through ground to an interior. May also be used for walls. Protects thermal insulation from moisture. Can also be used as a temporary protection of roofs as well as elevation and windows during construction time.
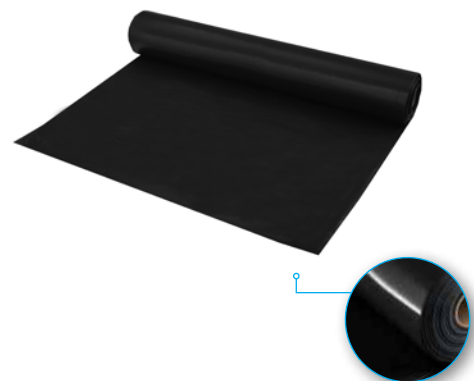
THICKNESS	DIMENSIONN	WATER TIGHTNESS	REACTION TO FIRE	TENSILE RESISTANCE	ROLLS PER PALLET
0.20 mm	2x50 m, 4x25 m, 5x20 m,	Water tightness under pressure 2 kPa	F Euroclass	>110 N/5 cm (lengthwise) >95 N/5 cm (crosswise)	72 rolls

■ **PRODUCT CODE** (Dimensionn)

2 m x 50 m	20-050	5 m x 20 m	20-052
4 m x 25 m	20-051		

PAROTEC®

Foundation foil FK 400

New in offer!
for waterproofing foundations

It is designed as insulation for vertical walls and foundations. Performs as vertical waterproofing of foundations and as a protection against mechanical damage. The way it is embossed allows for water and moisture drainage which secures the building foundation. Such embossment prevents the foil from sliding down during construction works. It finds its use during construction of patios, ceilings, floors, could be used to seal ditches and as a drainage in green roofs.
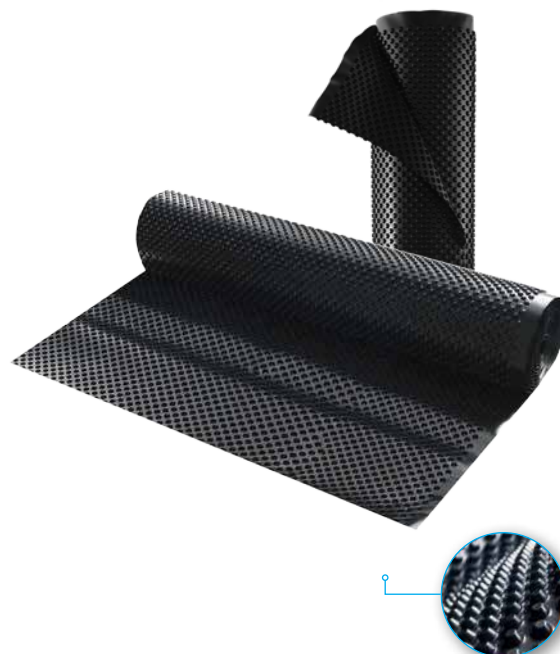
THICKNESS	DIMENSIONN	WATER TIGHTNESS	REACTION TO FIRE	TENSILE RESISTANCE	ROLLS PER PALLET
0.20 mm	0.5x20m, 1x20m, 1.5x20m, 2x20m	Water tightness under pressure 2 kPa	F Euroclass	150 [kN/m²]	0.5 m - 24 rolls 1.0 m - 24 rolls 1.5 m - 12 rolls 2.0 m - 12 rolls

■ **PRODUCT CODE** (Dimensionn)

0.5 m x 20 m	20-081	1.5 m x 20 m	20-083
1 m x 20 m	20-082	2 m x 20 m	20-084

Foundation strip

is a special end profile prepared for the installation of the foundation foil. The shape of the profile is prepared so that the upper edge of the foundation foil perfectly adheres to the insulated surface. It is made of a special plastic, which makes the product's aging resistance over 20 years.

LENGTH	WIDTH	MOUNTING HOLES
1 or 2 m	7 cm	9 pc.

■ **PRODUCT CODE** (Dimensionn)

1 m x 20 m	20-221
2 m x 20 m	20-220

Nail to foundation foil

is made of hardened steel used for mounting foundation film PM 8. The set has a special plastic washer which seals the place where the nail is mounted. Nails with a washer form an ideal assembly system for the foundation foil.

LENGTH	MATERIAL	BULK PACK
45 mm	steel	100 pc.

PRODUCT CODE

20-632
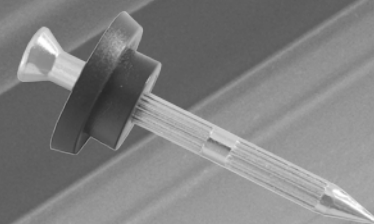
Unotec facade

The tape is designed for sealing and repairing damaged wind barriers. Small tears can be sealed with the tape itself. For larger gaps use a patch made out of an additional piece of membrane, which must be tightly taped along the edges with the Unotec facade tape.

Unotec

Used to repair damage caused during installation of roofing membranes. Small tears can be sealed with the tape itself. For larger gaps use a patch made out of an additional piece of membrane, which must be tightly taped along the edges with the Unotec tape.

Alutec

Sealing metalised vapour barrier overlaps. While sealing insulation screens, connecting strips should be done at the "seam" with the wide Alutec tape. It is also possible to make necessary repairs with the tape.

Butyltec

Thanks to the high flexibility of butyl adhesive, Butyltec offers good sealing of membranes, thermal-insulation screens and films to the rough surface of the wall. The tape must first be applied to the surface of the material and then gradually remove the backing paper pushed to the wall. The seam should be dry, free from dust and grease.

PAROTEC®

Purotec

Used to seal and protect tear places where counter battens are in the counter with the surface of the membrane. Apply the tape on the top of counter battens or directly on the membrane along the rafters, then carefully apply the battens to the rafters and fasten with nails or screws.

Izotec

It is used for sealing vapour barrier overlaping, repairing and sealing penetrations e.g. ventilation pipes through the roof slope. The sealed surface should be clean and the tape exactly pressed, without irregularities and air bubbles through which moisture can penetrate, weakening the sealed place.

Steltec

Double-sided, highly adhesive tape, for attaching the vapour barrier to the steel structures. Stick the tape to a cleaned surface of the frame, then gradually peel the backing paper sticking the vapour barrier in place.

Duotec

Double-sided strong acrylic adhesive tape, reinforced with polyester mesh, intended to bond overlapped foils and membranes. The tape must be applied along the entire length of the bottom strip, then gradually peeling the backing paper off, the upper strip of the foil must be placed on the tape. Keep in mind about pressing the sealing place. The sealing surface of the membranes should be dry and free from dust and dirt.

ADHESIVE TAPES
for roof membranes and foils

DUOTEC
PRODUCT CODE (dimension)   length 25m - 10-112 | length 50m - 10-113

Double-sided adhesive tape for sealing overlapping of roof membranes, vapour barriers, roof foils and other building materials made out of plastic. The tape is made out of a strip of special glue on the basis of acrylic dispersion, reinforced with a polyester grid. It distinguishes itself with a very high adhesive power.

MEDIUM	ADHESIVE TYPE	TAPE LENGTH	TAPE WIDTH	USAGE TEMPERATURE	COLOUR	BULK CONTAINER
Polyester grid	Acrylic dispersion	25 or 50 m	20 mm	from +5°C	Transparent	12/15 rolls

UNOTEC
PRODUCT CODE 10-110 (unotec), 10-102 (unotec facade)

Single-sided adhesive tape for sealing, overlapping and repairing damaged membranes. Made out of polypropylene fibre covered with a special adhesive on the basis of acrylic dispersion and a seperating silicone-paper strip. Stands out with its high adhesive power and resistance to weather conditions. Façade version of the tape is made out of black fibre matching the colour of Parotec Vinto wind barrier.

| MEDIUM	ADHESIVE TYPE	TAPE LENGTH	TAPE WIDTH	USAGE TEMPERATURE	COLOUR	BULK CONTAINER
PP-fibre	Acrylic	25 m	50 mm	from +5°C	Anthracite/ Black	20 rolls

BUTYLTEC

Double-sided adhesive tape for sealing overlapping and repairing damage to façade-type wind barriers. Made out of polyester fibre covered with a special adhesive on the basis of acrylic dispersion and a separating silicone-paper strip. Stands out with its very high adhesive power and the resistance to UV and weather conditions.

MEDIUM	ADHESIVE TYPE	TAPE LENGTH	TAPE WIDTH	USAGE TEMPERATURE	COLOUR	BULK CONTAINER
Butyl	Butyl	25 m	15/30/50/100 mm	from +10°C	Black	14 rolls x 15 mm 7 rolls x 30 mm 5 rolls x 50 mm 2 rolls x 100 mm

PRODUCT CODE (Dimensionn)

W. 15 mm	10-180
W. 30 mm	10-182
W. 50 mm	10-183
W.100 mm	10-185
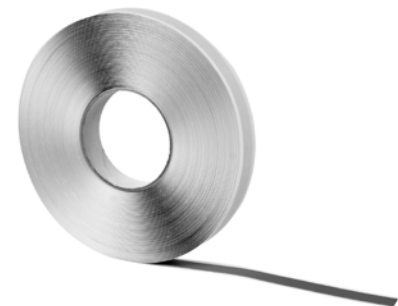
COLLAR FLASHINGS

Collar flashings are made out of high quality EPDM rubber for cable and pipe passages which are very resistant against aging processes. The cable flashing collars have an additional template covered with acrylic adhesive for easier mounting on the surfaces of membranes, roof foils, vapour barriers and planks. When using the version without the additional adhesive, it is advised to secure the collar flashing with izotec tape.

MATERIAL	PIPE DIAMETER	PIPE DIAMETER
acrylic rubber	15-30/50-90/ 95-120/120-170 170-220 mm	1x2/1x9/2x2/ 3x2 mm

PRODUCT CODE (Dimensionn)

Collar flashings for pipes		Collar flashings for cables	
KU 15-30 mm	KU-20	KUK 1x2 mm	KUK-1-2
KU 50-90 mm	KU-50	KUK 1x9 mm	KUK-1-10
KU 95-120 mm	KU-1000	KUK 2x2 mm	KUK-2-2
KU 120-170 mm	KU-150	KUK 3x2 mm	KUK-3-2
KU 170-220 mm	KU-200		

IZOTEC

Single-sided adhesive tape, reinforced with PE-fibre. Made for sealing, overlapping and repairing damage to polypropylene and polyethylene foils and bonding them with other plastics. Stands out for its very high adhesive power and resistance to UV and weather conditions.

MEDIUM	ADHESIVE TYPE	TAPE LENGTH	TAPE WIDTH	USAGE TEMPERATURE	COLOUR	BULK CONTAINER
PE foil and PE grid	Acrylic dispersion	25 m	50 mm	from +5°C	White	12 rolls

PUROTEC / PUROTEC PREMIUM

Single-sided adhesive tape used to put under the counter battens; seals the connection between the membrane and the counter battens. Made out of closed cell polyethylene foam covered with an acrylic dispersion-based adhesive. Stands out for high resistance to UV and weather conditions.

MEDIUM	ADHESIVE TYPE	TAPE LENGTH	TAPE WIDTH	USAGE TEMPERATURE	COLOUR	BULK CONTAINER
PE foam	Acrylic	30 m	40. 50 or 60 mm	from +5°C	Graphite	24 rolls

■ PRODUCT CODE (Dimensionn)

Purotec Standard
W. 40 mm	10-107
W. 50 mm	10-108
W. 60 mm	10-109

■ PRODUCT CODE (Dimensionn)

Purotec Premium
W. 40 mm	10-104
W. 50 mm	10-105
W. 60 mm	10-106

STELTEC

Single-sided adhesive tape made especially for mounting all PE-based foils (yellow vapour barriers, reinforced foils and metalised foils) to aluminium racks. Stands out for a very high, initial adhesive power for ease of use. Applied with a very thick layer of glue (200 μm), resistant against sliding of the mounted foil. STELTEC is reinforced with a polyester grid for better tensile resistance.

MEDIUM	ADHESIVE TYPE	TAPE LENGTH	TAPE WIDTH	USAGE TEMPERATURE	COLOUR	BULK CONTAINER
Polyester fibre	Synthetic india rubber	50 m	50 mm	from -10°C	Transparent	12 rolls

ALUTEC

Single-sided adhesive, smooth tape with aluminium coating, made for sealing the overlaping pieces of foil and repairing damage to aluminium foils and vapour barriers. Also used for taping and mounting ventilation, air conditioning and heating systems. Highly resistant against UV and aging processes.

MEDIUM	ADHESIVE TYPE	TAPE LENGTH	TAPE WIDTH	USAGE TEMPERATURE	COLOUR	BULK CONTAINER
Metalised PP foil	Acrylic	50 m	50. 75 or 100 mm	from +5°C	Silver	96/64/48 rolls

■ PRODUCT CODE (Dimensionn)

W. 50 mm	12-102
W. 75 mm	12-103
W. 100 mm	12-104

AIR TIGHT ROOF THANKS TO
PROFESSIONAL ROOF ACCESSORIES

AN IMPORTANT STEP IN THE FINAL CONSTRUCTION STAGE OF BUILDING THE ROOF IS FINISHING THE ROOFING WORKS, ON WHICH THE DURABILITY OF THE ROOF DEPENDS. THE RIDGE AREA, CHIMNEY, EAVES AND ROOF VALLEY ARE JUST A FEW OF THEM. DURING FINISHING OF THE RIDGE AREA, THE MOST POPULAR PRODUCTS THAT ARE BEING USED ARE DROLL AND VROLL RIDGE TAPES AND FLASHINGS WHICH ARE THE INITIAL PROTECTION AGAINST WATER, SNOW AND DUST. THE STRUCTURE AND FLEXIBILITY OF THE RIDGE TAPES AND FLASHINGS ALLOWS FOR PROPER VENTILATION.

Roofers use two methods for finishing the chimney. The first one is the manual execution of the sealing collar out of thin plate or aluminium. This is a complicated and time consuming method. A simpler alternative is to use strips of chimney flashing made from aluminium or lead, which can be easily adapted to the bonding surface of the chimney and roofing.

The roof valley zone is a particularly difficult area to work on because most leaks occur here. It can be easily secured with crosswise and lengthwise embossed roof valley flashings which are made from aluminium sheet that can be easily shaped without using tools. The last place are the eaves, of which an essential element are eaves flashings, which allow placing the membrane into the gutter.

TILE STORM CLIPS

The durability and tightness of the roof depends on the installation of tiles. Tile clips are mainly used in order to install them properly, by which it is fixed to the roof battens. For fast and easy roofing work there are available versions made of galvanised wire with suitable flexibility, which do not require any additional tools in their application. Just hook the clip in an appropriate manner on the edge of the batten and tiles lock. The type of clip, as well as its size, depends on the types of roof tiles and batten thickness. We can distinguish several variants depending on the method of their installation (for top or side tiles lock), or the type of tiles (ceramic, concrete).

Installation (see p. 30)

CRUCIAL
PICTOGRAMS

materials   colour   size

TERMS OF GLOSSARY

● Ridge

This is the highest part of the roof set up at the contact point of two roof slopes. Furthermore, we can distinguish side ridges which are formed from the intersection of the oblique edge of the roof. Ridges play an important role in proper ventilation of the roof structure, so it is important to protect this area in a way that allows free dissipation of moisture from the roof shell. At the same time preventing outer water and snow from entering.

● Roof valley

Unlike a ridge, it is a concave edge formed at the confluence of two roof slopes that is most exposed to weather conditions. Any errors in the flashing may directly lead to leaks and damage to the building.

● Eaves

The lowest zone along the edgeline of the roofs rafter framing. The eaves are the inlet of ventilation ducts between the roof sheathing and the membrane, as well as between the insulation and the first initial layer of low vapour permeable barrier. The eaves is also to lead water from membrane to the lower gutter.
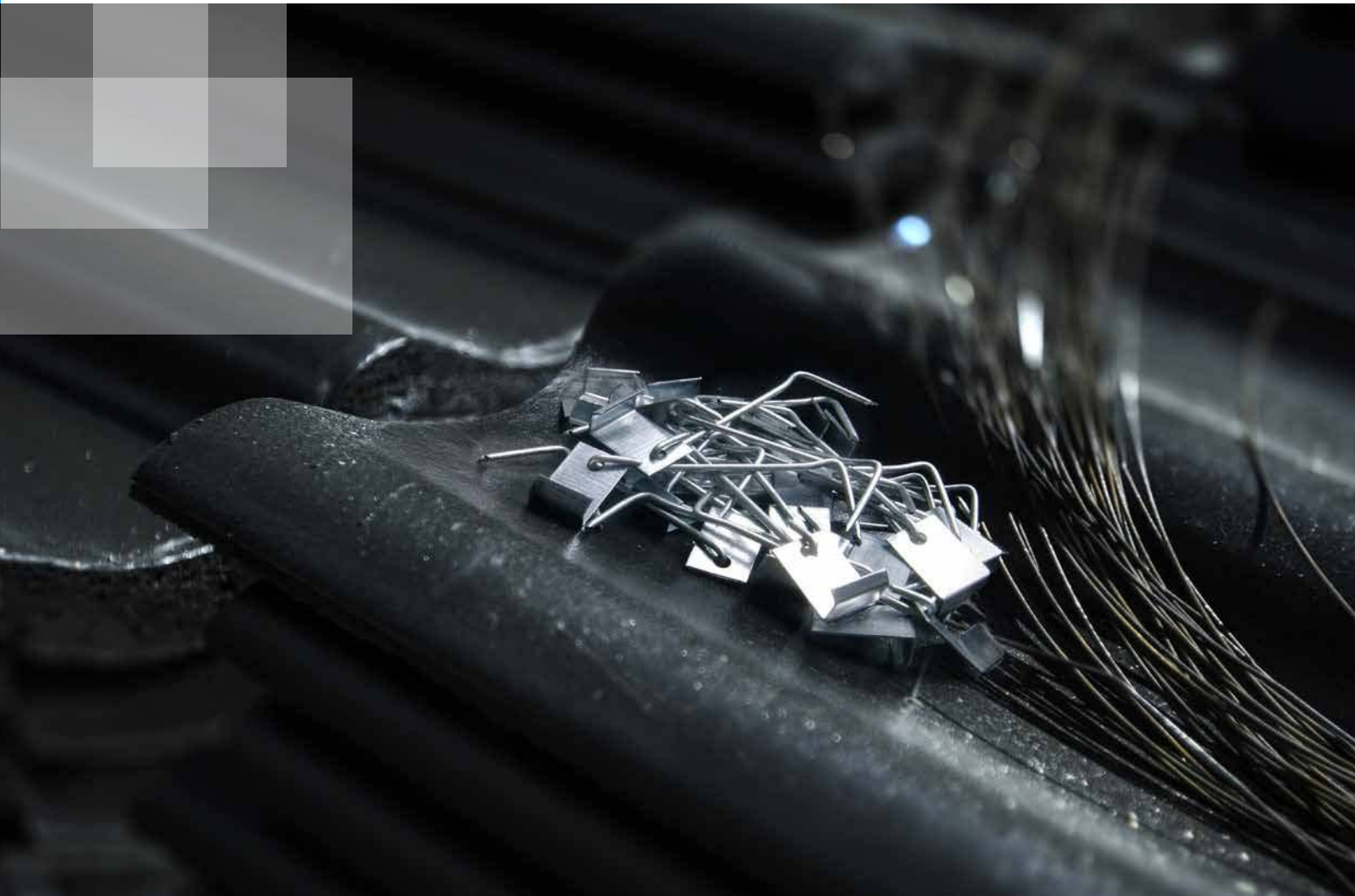
II.

ROOF ACCESSORIES

IN THIS SECTION

ridge roll out system
chimney flashings, above gutter eaves flashing strip
roof valley flashing
roof tile clips
ridge cap clips

ROOF RIDGE ROLL

Properties

VRoll ridge roll is a product of a new generation. Thanks to its high diffusion fabric it ensures adequate ventilation between the roof cover and bottom roof layers. The ridge is a very sensitive area, especially in a case of using uneven tiles like ceramic tiles. Ridge tiles crowning the ridge do not adhere to the edges of the roof tiles, so they are not able to provide sufficient tightness. Therefore, the vRoll ridge roll should be used. It will allow to discharge the water vapour permeating through the construction layers of the roof, from the attic and at the same time it provides protection against penetration of water, snow and dust.

The surface of the tape

is covered with polyester paint coating, resistant to sunlight. Additional pleated metal surface simplifies the forming and installing of the roll on the roof sheating.
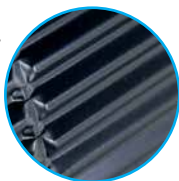
Solid finish of the product

the permeable material is combined with a metal strip with strong adhesive and specialised seam, guaranteeing a hard to tear connection.
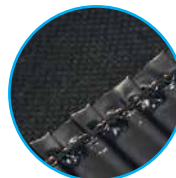
Ventilation function

Breathable non-woven fabric used in the vRoll ridge roll and perforations on the surface of the dRoll ridge roll allows vapour to easily escape from the roof.

Butyl layer for bonding
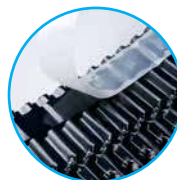
Ridge rolls have butyl adhesive strips around the edges, which form a flexible connection, resistant to moisture and aging. Thanks to a thick layer it is possible to glue the adhesive tape to rough surfaces.

PAROTEC®

DRY VENTED ROOF RIDGE vRoll

A product of a new generation thanks to the high vapour diffusion of the used fibre, vRoll provides a proper ventilation between the roof covering and the lowest layers of the roof expanse. The ridge vent roll vRoll is made out of two strips of pleated aluminium and a vapour permeable polypropylene fibre. The underneath is covered on the brinks with buthyl adhesive strips. The fabric in the middle of the roll ensures proper air ventilation and has vapour capabilities. Also secures the ridge against the penetration of water, dust and snow.

MATERIAL	UV RESISTANCE	TAPE WIDTH	ALUMINIUM THICKNESS	TAPE LENGTH	BULK CONTAINER	ADHESIVE	MATERIAL WEIGHT
Aluminium + vapour permeable PP-fibre	Yes	240/300/390 mm	0.14 mm	5 m	5 rolls/box 175 rolls/pallet	Butyl	100 g/m²

■ PRODUCT CODE (size/colour)

	chestnut	red	dark-brown	graphite	black	brick-red	brown
width: 180 mm				01-233	01-234	01-235	01-236
width: 240 mm	01-220	01-221	01-222	01-223	01-224	01-225	01-226
width: 320 mm	01-240	01-241	01-242	01-243	01-244	01-245	01-246
width: 390 mm	01-210	01-211	01-212	01-213	01-214	01-215	01-216
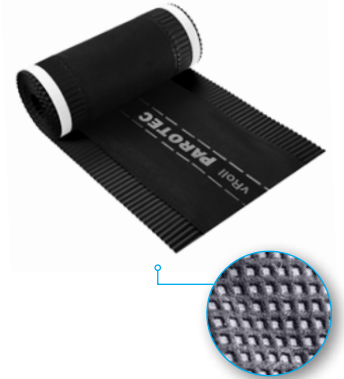
ROOF RIDGE VENTED vRoll copper

A product of a new generation thanks to the high vapour diffusion of the used fibre, vRoll provides a proper ventilation between the roof covering and the lowest layers of the roof expanse. The ridge vent roll vRoll is made out of two strips of pleated copper and a vapour permeable polypropylene fibre. The underneath is covered on the brinks with buthyl adhesive strips. The fabric in the middle of the roll ensures proper air ventilation and has vapour capabilities. Also secures the ridge against the penetration of water, dust and snow.

MATERIAL	UV RESISTANCE	TAPE WIDTH	TAPE LENGTH	MATERIAL WEIGHT	COPPER THICKNESS	BULK CONTAINER	ADHESIVE
Copper	Yes	320 mm	5 m	100 g/m²	0.1 mm	175 rolls/pallet	Butyl

■ PRODUCT CODE

01-240

NEW!

DRY VENTED ROOF RIDGE xRoll

is a new generation product with increased functional parameters. Due to the high diffusivity of the technical fabric used, it ensures proper ventilation of the space between the roofing and the bottom layers of the roof. The ridge tape xRoll consists of two strips of pleated aluminium and a vapour-permeable technical fabric with an increased weight of 220 g / m². It is characterised by high resistance to mechanical damage, UV radiation (up to 5 years) and aging processes. From the bottom side, at the edges, the aluminium is covered with butyl glue strips. Ventilation, which is the inner part of the tape, ensures the drain of steam to the outside and the free flow of air, and prevents penetration of water, dust and snow under the roof surface.

MATERIAL	UV RESISTANCE	TAPE WIDTH	ALUMINIUM THICKNESS	MATERIAL WEIGHT	LENGTH	ADHESIVE	BULK CONTAINER
Aluminium + technical fabric	5 years	240, 320 mm	0.14 mm	220 g/m²	5 m	Butyl	240 mm - 245 pc. 320 mm - 175 pc.

■ PRODUCT CODE

chestnut	red	dark-brown	graphite	black	brick-red	brown
01-766	01-767	01-764	01-761	01-765	01-763	01-762

DRY VENTED ROOF RIDGE dRoll

The tape is made out of pleated aluminiumpaint, with polyester paint. With buthyl adhesive strips on the brinks underneath. Thanks to its unique setting of embossed micro perforation, this roll perfectly secures the ridges and gables of the roof against the penetration of weather factors under the roof covering.

MATERIAL	UV RESISTANCE	TAPE WIDTH	TAPE LENGTH	ALUMINIUM THICKNESS	BULK CONTAINER	ADHESIVE
Aluminium	Yes	300 mm	5 m	0.14 mm	5 rolls/box 175 rolls/pallet	Butyl

■ PRODUCT CODE (size/colour)

chestnut	01-300	dark-brown	01-302	black	01-304	brown	01-306
red	01-301	graphite	01-303	brick-red	01-305		

ROOF RIDGE VENTED dRoll copper

The roll is made out of pleated copper, with buthyl adhesive strips on the brinks underneath. Thanks to its unique setting of embossed micro perforations, the roll perfectly secures the ridges and gables of the roof against the penetration of weather factors under the roof covering. The additional feature of copper roll is the anti-moss effect; when the tape comes in contact with rain, it releases ions which prevents moss build up.

MATERIAL	UV RESISTANCE	TAPE WIDTH	TAPE LENGTH	COPPER THICKNESS	BULK CONTAINER	ADHESIVE
Copper	Yes	300 mm	5 m	0.1 mm	5 rolls/box 175 rolls/pallet	Butyl

■ PRODUCT CODE

01-307

RIDGE BATTEN SUPPORT GRIP TYPE NAIL

The support grip is made out of zinc covered steel. It enables an easy, stable and fast determination of the proper height and levelling of the ridge batten.

MATERIAL	BATTEN GRIP WIDTH	NAIL DIAMETER	SUPPORT LENGTH	SUPPORT HEIGHT	BULK CONTAINER
zinc-coated steel	40 or 50 mm	7 mm	40 or 50 mm	210. 230 or 260 mm	100 pc/box

■ PRODUCT CODE (size)

	width: 40 mm	width: 50 mm
H: 210 mm	01-091	01-092
H: 230 mm	01-093	01-095
H: 260 mm	01-094	01-096

RIDGE BATTEN SUPPORT GRIP TYPE CLAMP

The support grip is made out of zinc covered steel. It enables an easy, stable and fast determination of the proper height and levelling of the ridge batten.

MATERIAL	BATTEN GRIP WIDTH	STEEL THICKNESS	SUPPORT LENGTH	BULK CONTAINER
zinc-coated steel	40 or 50 mm	1.2 mm	210 mm	100 pc/box

PRODUCT CODE (size)

	width: 40 mm	width: 50 mm
H: 210 mm	01-081	01-082

RIDGE VENT WITH BRUSH

A ventilation-flashing element for ridges, made out of tinted PVC and PP-fibre UV resistant. Mounted for all types of weather conditions. Secures the roof ridge against the penetration of snow, rain, moisture and dust.

MATERIAL	LENGTH	WIDTH	UV RESISTANCE	BRUSH LENGTH	BULK CONTAINER
Tinted PVC	1000 mm	220 mm	Yes	75 mm	20 pc

PRODUCT CODE (size/colour)

brown	01-150
brick	01-151
black	01-152
chestnut	01-153
graphite	01-154
red	01-155

RIDGE VENT FOR SHINGLES

A vent used for ventilating the ridges of roofs covered with bitumen shingles. Made out of black-tinted PVC, resistant to UV rays.

MATERIAL	LENGTH	WIDTH	UV RESISTANCE	BULK CONTAINER
Tinted PVC	1000 mm	280 mm	Yes	32 pc.

PRODUCT CODE

01-070

RIDGE END CAP

The support grip is made out of zinc-covered steel. It enables an easy, stable and fast determination of the proper height and leveling of the ridge batten.

PRODUCT CODE (colour)

brown	01-070
brick	01-071
black	01-072

LIGHTNING CONDUCTOR WIRE HOLDER TYPE L

A holder for the lightning conductor wire on the ridges of roofs covered with tiles. Made out of powder coated steel covered with zinc.

KOD PRODUKTU (colour)

brown	01-075
brick	01-076
graphite	01-077

CHIMNEY FLASHING TAPES

Rollable chimney flashing strips are used to seal the spaces between the roof and the chimney or the wall - wherever the roof surface comes into contact with the wall. The tapes can be divided into groups, due to their material: lead (heavy, very flexible) and aluminium (light, less flexible) as well as the embossment of the tape: pleated 2D, 3D, (pyramid-shaped) or flat tape.

Tape surface

is covered with polyester paint which guarantees resistance to aging, UV rays and temperature. Additional pleated metal surface simplifies the formation and installation of the tape to the roof sheathing, chimney or wall.

Perforated cut

Special perforation to facilitate the removal of the butyl protective layer.

Chimney flashing finishing strip

The final sealing of the chimney is made by using a chimney flashing finishing strip, whose colour is adjusted to the chimney tape.

Butyl layer for bonding

The chimney tape is entirely covered with a thick butyl band, which forms a flexible connection with the glued surface that is resistant to moisture and aging. The adhesive is protected by split foil.

CHIMNEY ALUMINIUM FLASHING TAPE 2D

A self-adhesive tape made out of pleated aluminium, one side coated with polyester paint and the other with a buthyl adhesive. Th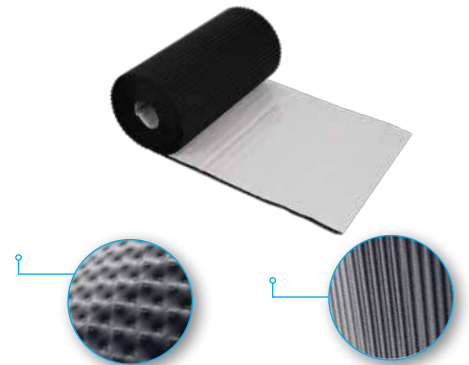e tape is used for flashing around the chimneys, walls, bay windows and roof windows. The product is resistant to long term influence of weather conditions like UV rays, frost, rain, moisture and aging processes.

MATERIAL	TAPE WIDTH	BUTYL WIDTH	TAPE LENGTH	BUTYL THICKNESS	BULK CONTAINER
Aluminium	300 mm	290 mm	5 m	1 mm	1 roll/box 175 rolls/pallet

■ PRODUCT CODE (colour)

|	graphite	brown	brick	dark-brown	chestnut	red	black
AI 2D TAPE	06-020	06-021	06-022	06-023	06-024	06-026	06-028
AI 3D TAPE	06-054	06-056	06-051	06-050	06-052	06-053	06-055

NEW!
CHIMNEY ALUMINIUM FLASHING TAPE 3D CUBE

Self-adhesive tape made of riffled aluminium, covered with a butyl adhesive layer. The new embossing on the surface of the tape allows you to freely adjust to the glued surface. The tape is used for machining around chimneys, walls, bay windows and roof windows. The product is resistant to long-lasting weather conditions such as UV radiation, frost, rain, moisture and aging processes.

MATERIAL	TAPE WIDTH	BUTYL WIDTH	TAPE LENGTH	BUTYL THICKNESS	TAPE THICKNESS	BULK CONTAINER
Aluminium	300 mm	290 mm	5 m	1 mm	0.14 mm	1 roll/box 175 rolls/pallet

■ PRODUCT CODE (colour)

| dark-brown	06-063	chestnut	06-064	graphite	06-060	brown	06-061
brick	06-062	red	06-066	black	06-066		
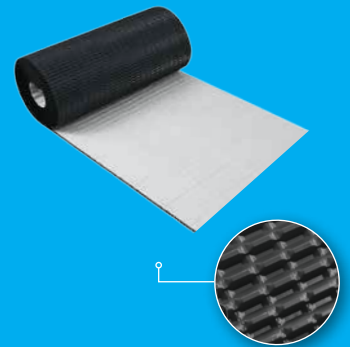
CHIMNEY LEAD FLASHING TAPE 2D

A self-adhesive tape made out of pleated lead, one side coated with polyester paint and the other with a buthyl adhesive. The tape is used for flashing around the chimneys, walls, bay windows and roof windows. The product is resistant to long term influence of weather conditions like UV rays, frost, rain, moisture and aging processes.

MATERIAL	TAPE WIDTH	BUTYL WIDTH	TAPE LENGTH	BUTYL THICKNESS	TAPE THICKNESS	BULK CONTAINER
Lead	300 mm	290 mm	5 m	1 mm	0.3 mm	1 roll/box 70 rolls/pallet

■ PRODUCT CODE (colour)

brown	06-030	black	06-032	graphite	06-035
brick	06-031	chestnut	06-033	dark-brown	06-036
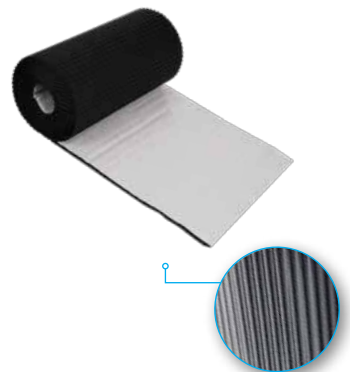
CHIMNEY LEAD FLAT FLASHING TAPE

A self-adhesive tape made out of flat lead, one side coated with polyester paint and the other with a buthyl adhesive. The product is resistant to long term influence of weather conditions, UV rays, frost, rain, moisture and aging processes. The tape is used for flashing around the chimneys, walls, bay windows and roof windows. Thanks to the used material it is very easy to bend each way.

MATERIAL	TAPE WIDTH	BUTYL WIDTH	TAPE LENGTH	BUTYL THICKNESS	TAPE THICKNESS	BULK CONTAINER
Lead	300 mm	290 mm	5 m	1 mm	0.5 mm	40 rolls/pallet

■ PRODUCT CODE (colour)

| brown	06-040	dark-brown	06-042	red	06-044	chestnut	06-046
brick	06-041	black	06-043	graphite	06-045		

CHIMNEY COPPER FLASHING TAPE 2D

A self-adhesive tape made out of pleated copper, one side coated with adhesive butyl. The tape is used for flashing ar-round the chimneys, walls, bay windows and roof windows. The product is resistant to long term influance of weather conditions, UV rays, frost, rain, moisture and aging processes. The additional feature of copper tapes is the anti-moss effect, when the tape comes in contact with rain, it releases ions which are very harmfull to moss.

MATERIAL	TAPE WIDTH	BUTYL WIDTH	TAPE LENGTH	TAPE THICKNESS	BUTYL THICKNESS	BULK CONTAINER
copper	300 mm	290 mm	5 m	0.1 mm	1 mm	1 roll/box 175 rolls/pallet

■ PRODUCT CODE

Type 2D: 06-029
**Type 3D:** 06-057
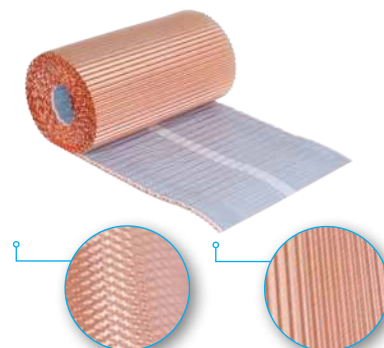
ANTIMOSS COPPER TAPE

is made of pleated copper sheet, covered with a butyl adhesive layer. The product is used on roofs to prevent and fight moss and lichen that can develop in the darkened parts of the roof. This process is completely ecological and involves the ionisation of water flowing down along the layer of copper tape.

MATERIAL	UV RESISTANCE	WIDTH	LENGTH	TYPE OF ADHESIVE	BULK CONTAINER
copper	yes	150 mm	5 m	buthyl	1 roll/box 350 rolls/ palette

■ PRODUCT CODE

06-059
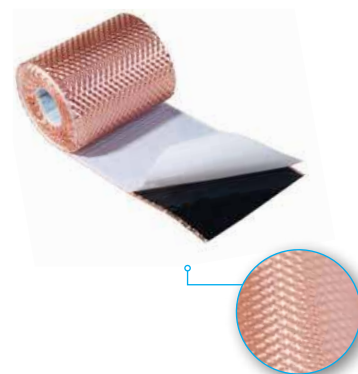
NEW!
CHIMNEY FLASHING TAPE EPDM NEW

Self-adhesive tape made of EPDM plastic, reinforced with aluminium mesh. At the bottom the tape is covered with a layer of butyl glue. The material from which the tape is made allows free adjustment to the glued surface and the aluminium netting allows you to keep the formed shape. The tape is used for working around chimneys, walls, oriel windows and roof windows. The product is resistant to long-lasting weather conditions such as UV radiation, frost, rain, moisture and aging processes.

MATERIAL	TAPE WIDTH	BUTYL WIDHT	TAPE LENGTH	BUTYLU THICKNESS	TAPE THICKNESS	BULK CONTAINER
EPDM, Al grid	300 mm	290 mm	5 m	1 mm	1.5 mm	1 roll/box 175 rolls/palette

■ PRODUCT CODE

graphite\anthracite 06-130   **brown** 06-131   **brick** 06-132   **black** 06-133

CHIMNEY FLASHING FINISHING STRIP

The strip is made out of a 0.58 mm-thick aluminium sheet covered with polyester-based paint, secured with a layer of polyethylene foil, which should be removed before installing. Used for securing the chimney flashing tape. Available in two sizes: 1 m and 2 m.

MATERIAL	STRIP LENGTH	STRIP WIDTH	THICKNESS	BULK CONTAINER
Aluminium	1 or 2 m	77 mm	0.58 mm	50 pc.

■ PRODUCT CODE (size/colour)

|	1m	2m
brick	06-011	06-001
brown	06-012	06-002
dark-brown	06-013	06-003
graphite	06-014	06-004
chestnut	06-016	06-006
black	06-017	06-007
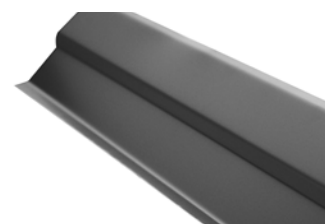
NOVELTY!

ROOFING TAPES
for sealing work

BITAPE - bituminous tape

is a self-vulcanising tape made of flexible bituminous mass and aluminium tape. It has excellent adhesion to most building materials such as metal, wood, ceramics, concrete, stone, plastic and some types of PVC. It is resistant to water, humidity, atmospheric influences and UV radiation. It allows immediate sealing of roofing treatments, masts, antennas and roof hatchways.

MATERIAL BITAPE	WIDTH BITAPE	LENGTH	BITUMEN MASS THICKNESS	BULK CONTAINER
Bitumen mass, laminate	75, 100. 150. 225, 300 mm	10 m	1.5 mm	4,3,2,1 pc.
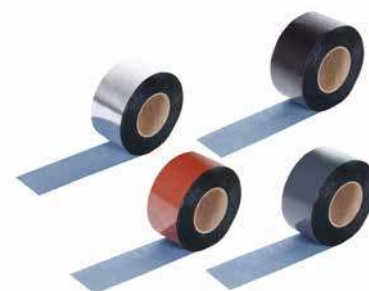
■ PRODUCT CODE

Bitape	aluminium	brown	brick	anthracite	black
W. 75 mm	TD-BI-075Al	TD-BI-075BR	TD-BI-075CG	TD-BI-075AN	TD-BI-075CZ
W. 100 mm	TD-BI-100Al	TD-BI-100BR	TD-BI-100CG	TD-BI-100AN	TD-BI-100CZ
W. 150 mm	TD-BI-150Al	TD-BI-150BR	TD-BI-150CG	TD-BI-150AN	TD-BI-150CZ
W. 225 mm	TD-BI-225Al	TD-BI-225BR	TD-BI-225CG	TD-BI-225AN	TD-BI-225CZ
W. 300 mm	TD-BI-300Al	TD-BI-300BR	TD-BI-300CG	TD-BI-300AN	TD-BI-300CZ

BUTAPE - butyl tape

is a self-vulcanising tape made of flexible butyl mass and metalised film. It has excellent adhesion to most building materials such as metal, wood, ceramics, concrete, stone, plastic and some types of PVC. It is resistant to water, humidity, atmospheric influences and UV radiation. It allows immediate sealing of roofing treatments, masts, antennas and roof hatchways.

MATERIAL BUTAPE	WIDTH BUTAPE	LENGTH	BUTYL MASS THICKNESS
Butyl mass, laminate	75, 100, 150, 225, 300 mm	10 m	0.6 mm

■ PRODUCT CODE

Butape	aluminium	brown	brick	anthracite	black
W. 75 mm	TD-BU-075Al	TD-BU-075BR	TD-BU-075CG	TD-BU-075AN	TD-BU-075CZ
W. 100 mm	TD-BU-100Al	TD-BU-100BR	TD-BU-100CG	TD-BU-100AN	TD-BU-100CZ
W. 150 mm	TD-BU-150Al	TD-BU-150BR	TD-BU-150CG	TD-BU-150AN	TD-BU-150CZ
W. 225 mm	TD-BU-225Al	TD-BU-225BR	TD-BU-225CG	TD-BU-225AN	TD-BU-225CZ
W. 300 mm	TD-BU-300Al	TD-BU-300BR	TD-BU-300CG	TD-BU-300AN	TD-BU-300CZ

ABOVE GUTTER EAVES FLASHING STRIP

We offer a variety of products to facilitate the implementation of the eaves in accordance with the newest roofing technology. The eaves flashings are designed to direct the water from the membrane and the covering to the gutter.
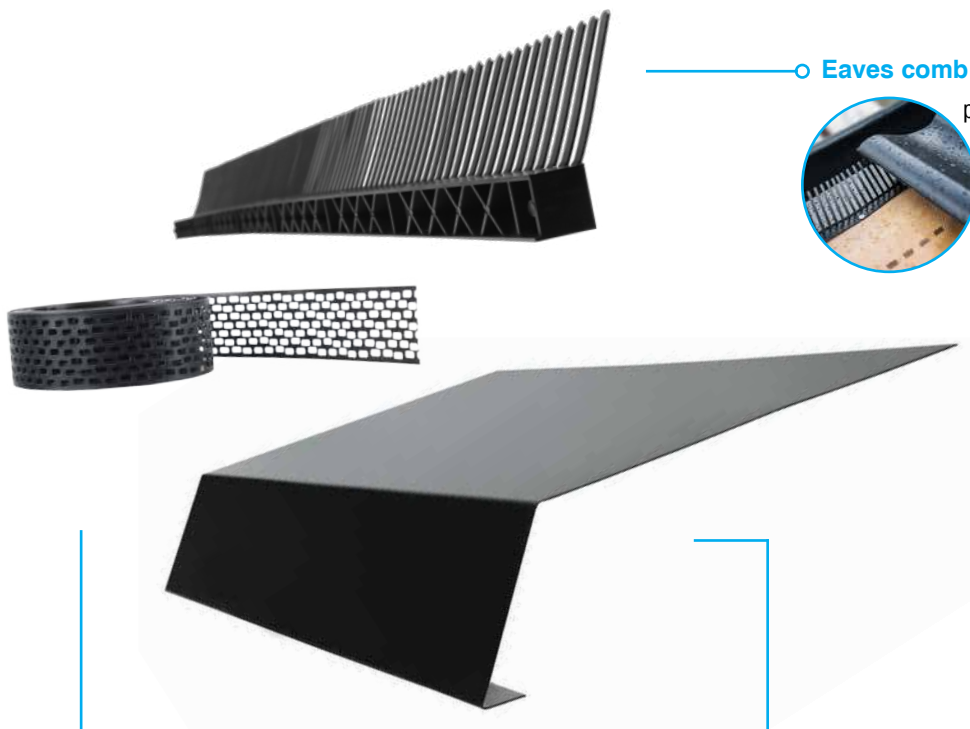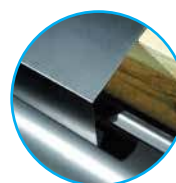

Eaves comb / crest with a ventilation grid

provides air intake under the roof surface and prevents birds entering the area between the tiles.

Eaves ventilation grid roll

To protect existing ventilation gaps, you can use ventilation grid roll which is attached directly to the batten with staples.

Eaves strip

should be attached to the eaves plank using roofing paper nails with a big round head. Put the profiled edge into the gutter. Stick the membrane or foil to the eaves strip ensuring adequate material stretch.

PAROTEC®

ABOVE GUTTER EAVES FLASHING STRIP

The strip is made out of a 0.58 mm-thick aluminium sheet covered with polyester-based paint, secured with a layer of polyethylene foil which should be removed before mounting.

MATERIAL	STRIP LENGTH	DIMENSIONNS	DIMENSIONNS	THICKNESS	BULK CONTAINER
Aluminium	1 or 2 m	Standard 120x70x10 mm	Plus 170x70x10 mm	0.58 mm	20 pcs./box

■ PRODUCT CODE (colour / type/ length)

	STANDARD 1 m	STANDARD 2 m	PLUS 1 m	PLUS 2 m
brown	05-070	05-050	05-150	05-190
brick	05-071	05-051	05-151	05-191
dark-brown	05-072	05-052	05-152	05-192
black	05-073	05-053	05-153	05-193
graphite	05-074	05-054	05-154	05-194
chestnut	05-075	05-055	05-155	05-195

EAVES COMB / CREST

Used to protect the eaves of the roof against the penetration of rodents, birds and larger insects under the roof covering. Highly elastic, fits to most profiles of roof coverings.

MATERIAL	UV RESISTANCE	COMB LENGTH	COMB HEIGHT	BULK CONTAINER
Polyprophylene	Yes	1000 mm	55, 80, 100 mm	55 mm – 200 pc. 80, 100 mm – 100 pc.

■ PRODUCT CODE (colour /length)

	H. 55 mm	H. 80 mm	H. 100 mm
brown	05-001	05-004	05-007
brick	05-002	05-005	05-008
black	05-003	05-006	05-009

EAVES COMB / CREST WITH A VENTILATION GRID

Used to protect the eaves of the roof against the penetration of rodents, birds and larger insects under the roof covering. Supports the first tile, serving as the eaves batten and allows moisture out of the membrane.

MATERIAL	UV RESISTANCE	COMB LENGTH	COMB HEIGHT	GRID HEIGHT	BULK CONTAINER
Polyprophylene	Yes	1000 mm	60 mm	25 mm	50 pc.

■ PRODUCT CODE (colour)

brown	05-010
brick	05-011
black	05-012

EAVES VENTILATION GRID

The grid ensures a proper ventilation between the tiles and the eaves section of the roof. It also acts as a separating element when using fish scale or beaver tail tiles.

MATERIAL	UV RESISTANCE	GRID LENGTH	GRID WIDTH	BULK CONTAINER
Polyprophylene	Yes	1000 mm	25 mm	30 pc.

■ PRODUCT CODE (colour)

brown	05-040
brick	05-041
black	05-042

EAVES VENTILATION GRID IN A ROLL

The grid is meant for almost any roof covering. It is used as a eaves ventilation element on gable roofs. The grid secures the ventilation space of the roof from birds, rodents and leaves. It also enables proper ventilation of the roof.

MATERIAL	UV RESISTANCE	GRID LENGTH	GRID WIDTH	BULK CONTAINER
Polyprophylene	Yes	5 m	50, 80, 100 150 mm	50 mm - 48 pc. 80, 100, 150 mm - 24 pc.

■ PRODUCT CODE (colour/size)

|	brown	brick	black
W. 50 mm	05-020	05-021	05-022
W. 80 mm	05-023	05-024	05-025
W. 100 mm	05-026	05-027	05-028
W. 150 mm	05-029	05-030	05-031

ROOF VALLEY FLASHING

Roof valley flashings are extremely important components of the roof. They provide a seal at the connection of slopes and at the same time protect the gutter. Made from custom pressed sheets, they are a part of the roof valley system (flashings, seals and installation clips). The new roof valley flashings are designed for quick installation - not only have they less connections in the line of the roof valley, but they are quick. Roof valley flashings are characterised by quick durability, flexibility and long-term resistance to large amounts of rainfall.
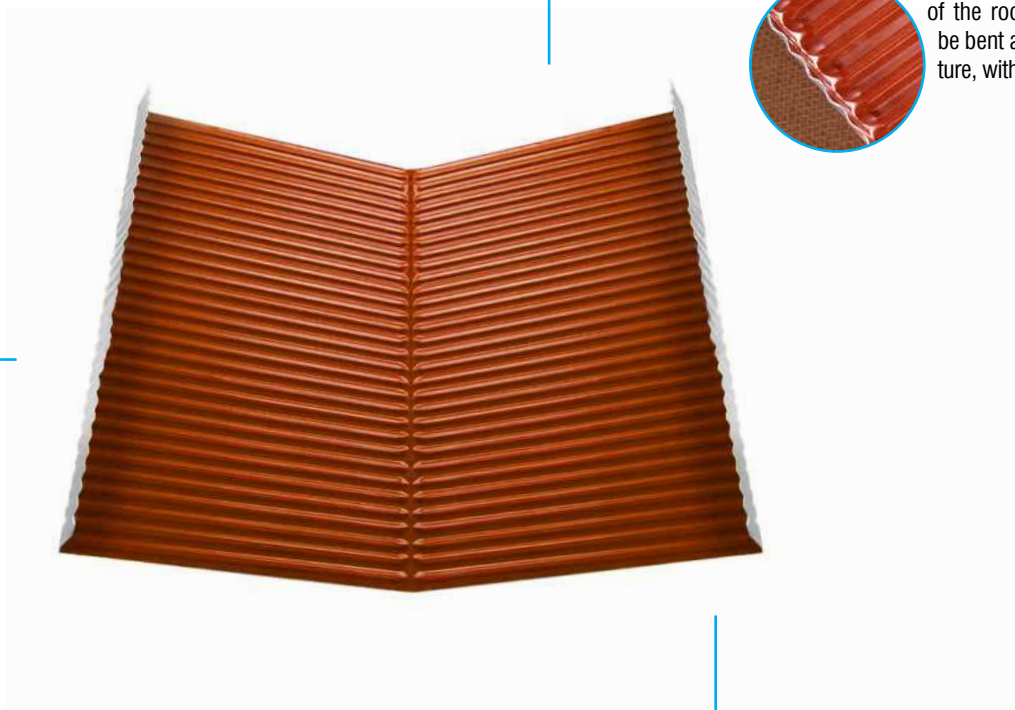
Profiling
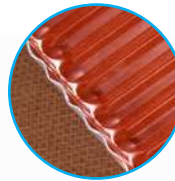
of the roof valley flashing allows it to be bent adequately to the roof's structure, without the use of additional tools.

Installation clips
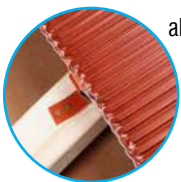
allow a stable installation of the roof valley flashing to the roofs structure. The assembly is fast and intuitive.

Roof valley flashing wedge gasket

are used at the edges of the roof valley flashing to secure the space under the tiles against snow or rain blown into the roof slope.

CROSSWISE ROOF VALLEY FLASHING

A roof valley flashing made out of a 0.58 mm-thick aluminium sheet covered with polyester-based paint, secured with a layer of polyethylene foil which should be removed before installing. The profiling (bending) points are well marked on the product. The way this flashing is shaped simplifies the profiling and bending by hand while working on the roof. The crosswise embossing strengthens the construction and secures the roof from overflowing water.

MATERIAL	FLASHING LENGTH	FLASHING WIDTH	THICKNESS	BULK CONTAINER
Aluminium	190-200 cm	500 mm	0.58 mm	20 pc/box

PRODUCT CODE (colour)

	crosswise flashing	lengthwise flashing
brick	04-009	04-001
brown	04-010	04-002
dark-brown	04-011	04-003
graphite	04-012	04-004
chestnut	04-014	04-006
black	04-015	04-007
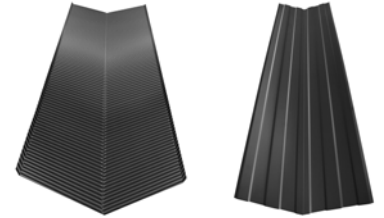
ROOF VALLEY FLASHING WEDGE GASKET

Self-adhesive PE foam gasket between the roof valley flashing and roof covering.

MATERIAL	ADHESIVE TYPE	WEDGE HEIGHT	WEDGE WIDTH	WEDGE LENGTH	BULK CONTAINER
Flexible polyurethane foam	Acrylic	60 mm	27 mm	100 cm	100 pc/box

PRODUCT CODE (colour)

brick	04-033
brown	04-034
graphite	04-035

CLIP FOR FLASHING

Used for fastening the lengthwise or crosswise embossed roof valley flashing. The installation method used ensures no damage to the roof valley flashing.

OPAKOWANIE ZBIORCZE

10 pc./carton

PRODUCT CODE (type/colour)

	crosswise	lengthwise
brick	04-036	04-044
brown	04-037	04-045
dark-brown	04-038	04-046
graphite	04-039	04-047
chestnut	04-041	04-049
black	04-042	04-050

COMPRESSIBLE TAPE

Self-adhesive, elastic PU foam tape tape covered with modified acrylic suspension with a density of 50kg/m³. The tape expands to 80-90% of its goal-height. After 24 hours it should reach its full length of even 5 times its initial height. Perfectly filling up and sealing of all gaps and securing them from weather factors, enabling vapour diffusion at the same time.

MATERIAL	COLOUR	TENSILE RESISTANCE	ADHESIVE TYPE	WIDTH LENGTH	WATER TIGHTNESS
Polyuretane/ acrylic	Graphite	≥ 100 kPa	Acrylic	10/20/40 mm 12,5/8/3,3 m	to 200 Pa

PRODUCT CODE (size)

|	W.: 10 mm	W.: 15 mm	W.: 20mm	W.: 30mm	W.: 40mm
2 mm	12-300	12-301	12-302	*	*
3 mm	12-317	12-318	12-3019	*	*
4 mm	12-304	12-305	12-306	*	12-308
6 mm	12-304	12-307	12-311	12-312	12-309
10 mm	*	*	12-310	12-314	*

ROOF TILE CLIPS

CERAMIC TILE STORM CLIP TYPE J

One of the most common ceramic tile storm clips, also used for tiles in plus sizes. The clip can be bought for different sizes of battens: 30. 40. 50 and 60 mm. The additional zinc coating ensures resistance to weather factors.

MATERIAL	WIRE DIAMATER	ZINC COATING DENSITY	DIMENSIONN	BULK CONTAINER
Coil wire	2,5 mm	≥ 12 µm	30. 40. 50.60 200 mm	100 pc/box 24 boxes/bulk box 12 or 18 bulk boxes/pallet

■ PRODUCT CODE (size)

| 30 mm | 03-031 03-031-INOX | 40 mm | 03-032 03-032-INOX | 40 mm (plus) | 03-032K-100-PLUS 03-032K-100-PLUS-INOX | 50 mm | 03-033 03-033-INOX | 60 mm | 03-034 03-034-INOX |
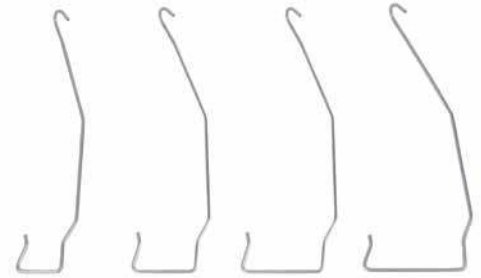
CERAMIC TILE STORM CLIP TYPE R

One of the most common ceramic tile storm clips. They are installed on the side of the overlapping tiles. Available lengths are: R26, R28, R30. R32, R34 [cm]. The additional zinc coating ensures resistance to weather factors.

MATERIAL	WIRE DIAMATER	ZINC COATING DENSITY	DIMENSIONN	BULK CONTAINER
Coil wire	2,5 mm	≥ 12 µm	260. 280. 300. 320 or 340 mm	100 pc/box 24 boxes/bulk box

■ PRODUCT CODE (size)

| 260 mm | 03-039 | 300 mm | 03-041 | 340 mm | 03-043 |
| 280 mm | 03-040 | 320 mm | 03-042 | | |
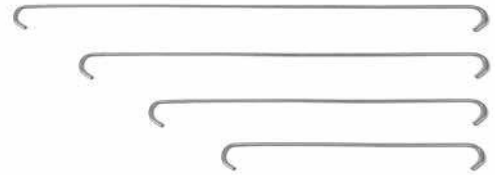
CERAMIC TILE STORM CLIP TYPE J416

A ceramic tile storm clip which fastens both the top and side of the roof tile. The additional zinc coating ensures resistance to weather factors.

MATERIAL	WIRE DIAMATER	ZINC COATING DENSITY	DIMENSIONN	BULK CONTAINER
Coil wire	2,5 mm	≥ 12 µm	200 x 50 mm	100 pc/box 24 boxes/bulk box 12 bulk/pallet

■ PRODUCT CODE
03-014, 03-014-INOX

ROOF TILE STORM CLIP FOR CUT TILE PIECES

Made out of stainless steel. Used for fastening cut tiles in roof valleys and on roof ridge (accordingly to ridge battens and roof battens). Ensures a proper installation for years to come.

MATERIAL STEEL SHEET	MATERIAL WIRE	WIRE DIAMETER	WIRE LENGTH	BULK CONTAINER
stainless steel	stainless steel	1.0 mm	40 cm	100 pc/box 24 boxes/bulk box 12 bulk box/pallet

■ PRODUCT CODE
03-015

SIDE CLIP FOR CERAMIC TILES TYPES: UNI, ROBEN, CREATON, KORAMIC

Ceramic roof tile side clip for Roben, Creaton and Koramic, also available in an universal version. The additional zinc coating ensures resistance to weather factors.

MATERIAL	WIRE DIAMETER	ZINC COATING DENSITY	DIMENSIONNS OF UNIVERSAL	DIMENSIONS OF ROBEN	DIMENSIONS OF CREATON	DIMENSIONNS OF KORAMIC
Steel wire	2,8 mm	≥ 12 µm	65x48 mm	75x48 mm	75x65 mm	85x65 mm

■ PRODUCT CODE (type)

UNIWERSAL	03-007	ROBEN	03-013	CREATON	03-011	KORAMIC	03-012

CONCRETE TILE CLIP TYPE U

The U type storm clip is the most common way for fastening concrete tiles. Available in two sizes, for different thickness of the tiles and battens. The additional zinc coating ensures resistance to weather factors.

MATERIAL	WIRE DIAMATER	ZINC COATING DENSITY	DIMENSIONN	DIMENSIONN	BULK CONTAINER
Coil wire	2,8 mm	> 80 g/m²	Large 65x48x42 mm	Small 46x38x28 mm	100 pc/box 24 boxes/bulk box

■ PRODUCT CODE (type)

| „u" small	03-002	„u" big	03-001

CONCRETE ROOF TILE SIDE CLIP NORD TYPE: BRAAS, EURONIT

The clip is intended for the side fastening of Braas tiles (Nord II type) and Euronit/Eternit tiles. The additional zinc coating ensures resistance to weather factors.

MATERIAL WIRE	SHEET MATERIAL	WIRE DIAMETER	ZINC COATING DENSITY	DIMENSIONNS
Steel wire	Steel	2,5 mm	≥ 12 µm	65x20x15 mm

■ PRODUCT CODE (type)

braas	03-008	euronit	03-009

BRAAS

EURONIT
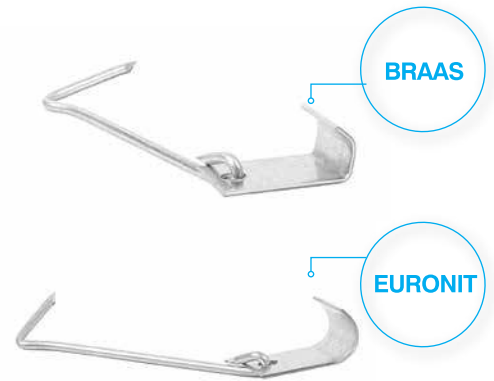
RIDGE CAP CLIPS

Made for firm mechanical fastening of the ridge cap to the ridge batten.
The offer includes clips for the most common tiles available on the market. The polyester paint coating can be in any colour of the RAL paint palette. In our offer the clips are in most common tile colours.

MATERIAL	ALUMINIUM SHEET THICKNESS	COATING	VARNISH THICKNESS
Aluminium	1.2-1.5 mm	Polyester	25 µm

■ PRODUCT CODE (size/colour)

|	1) Roben/Jungmaier	2) Koramic no. 11	3) „u" for concrete ridge cap	4) Koramic L25	5) Rupp Sattel
brick	02-021	02-031	02-001	02-052	02-034
dark-brown	02-022	02-032	02-002	02-053	02-035
black	02-023		02-003		
red	02-024		02-004		
graphite	02-025	02-033	02-005	02-054	02-036
chestnut			02-006		

Roof tile clip Nord Braas/Euronit

Tin head of the clip should be hooked on the side lock of tiles as shown in the picture, and then the tip of the clip should be nailed into the batten.
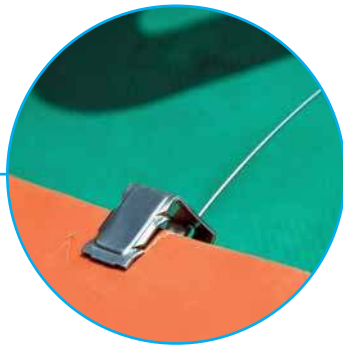
Clip for cut tile pieces

The clip is used to most of the cut tiles. The clips clamp should be wedged onto the edge of the tile, and then the tip of the wire should be attached to the batten with a nail with a wide head.
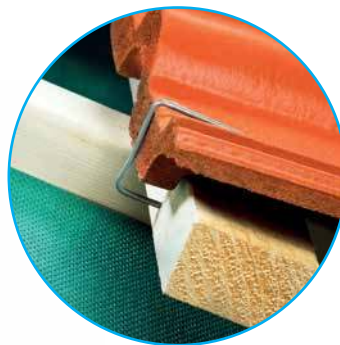
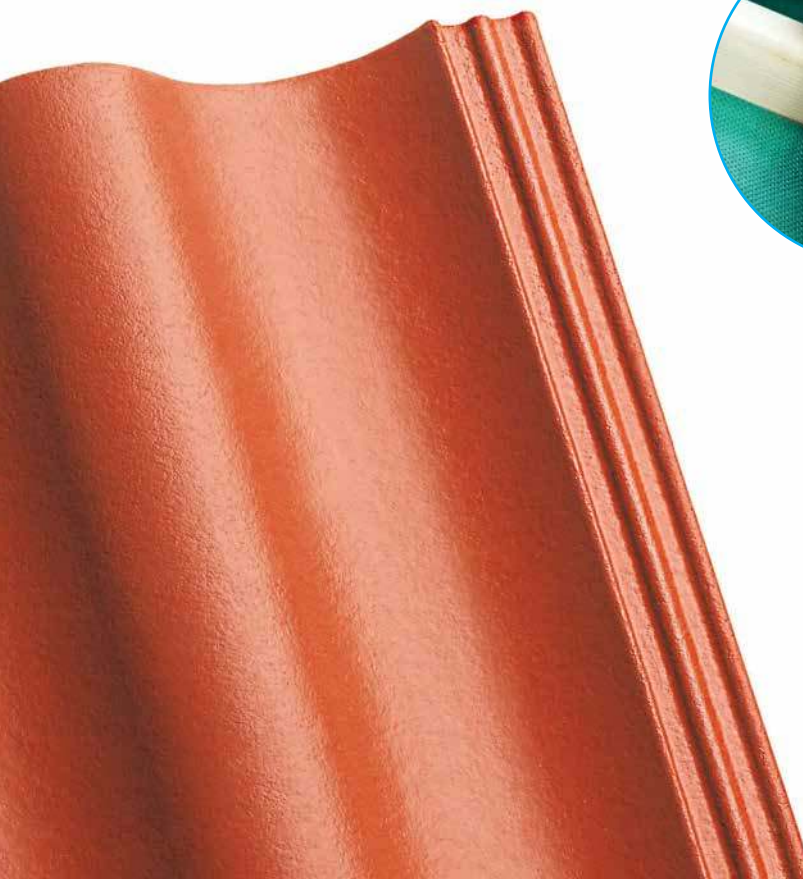## Clip type "U"

with the characteristic shape of the letter "u" allows to attach concrete roof tiles permanently to the batten. Hook one end of the clip to the upper lock of the tile, drive the second one into the batten.
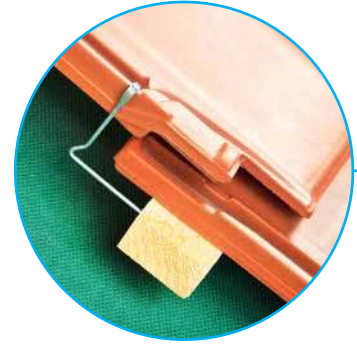
Clip type „R"

designed for fastening ceramic tiles in pairs. The wire should be put under the batten and then hook the bent tip to the bottom and upper tiles side locks.

Roof tile side clip type Uni, Roben, Creaton, Koramic

Hook the clip to the side lock of the ceramic tile and then gently tap it into the batten. Clip is used to fasten only the upper tiles, as shown in the photograph.

Clip type "J416"

Put the clip under the batten, hooks one end to the upper lock of the tile and then the other to the side lock, keeping in mind to attach the clips on the correct side.
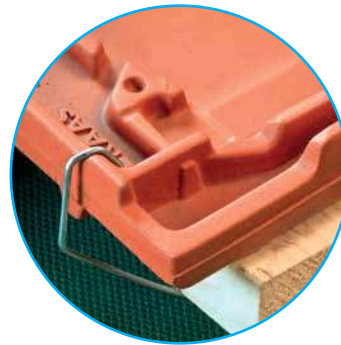
Clip type "J"

The wider end of the clip hooks to the batten as shown in the photograph and then the other to the tile side lock. Remember to choose the appropriate clip width to the thickness of the batten.

OTHER ACCESSORIES

ALUMINIUM SHEETS

The perfect material for DIY roof flashings; the sheets are coated with polyester paint. Secured with a layer of polyethylen foil which should be removed before mounting.
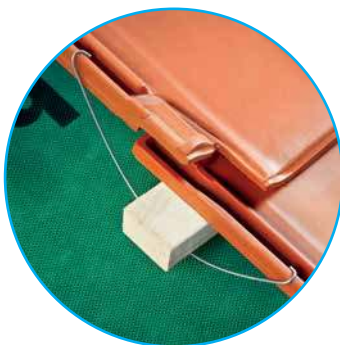
MATERIAL	COATING	COATING THICKNESS	DIMENSIONNS	THICKNESS
Aluminium sheet	Polyester	25 µm	1000x2000 mm	0.58 mm

■ PRODUCT CODE (colour)

brown	06-100
brick	06-101
graphite	06-102
chestnut	06-103
black	06-104
dark-brown	06-105

CLEATS FOR METAL COVERINGS MOUNTED WITH THE STANDING SEAM METHOD

Enables fast mounting without the need to perforate the sheets.
Fixed cleats prevent the lengthwise sliding of the sheet.

Expansion cleats enable a slight movement of the sheet, when the roof changes its strain, eliminating the tensions in the sheet covering.

It prevents the deforming of the roof covering, which can lead to leaks or even wrenching away of the sheet.

MATERIAL
stainless steel

■ PRODUCT CODE (type)

cleats for fixed substrates not movable	02-201
cleats for fixed sliding substrates	02-202

BIRD CONTROL SPIKES

The spikes are made out of high class rust-free steel and lightweight polycarbonate base strip. Resistant against the worst weather conditions (including UV radiation and extreme temperature changes). They meet the quality norm AISI 316 and have a positive opinion of the Nature Conservation Department in the Ministry of Natural Environment.

MATERIAL	SPIKE DIAMETER	SPIKE LENGTH	SPACE BETWEEN SPIKES	CONTROL WIDTH	BULK CONTAINER
stainless steel and polycarbonate	1.3 mm	E4 - 11.5 cm U2 - 11 cm	E4 -1 cm U2 -2 cm	10-20 cm	1 module ~ 0.32 m 150 pc./box

■ PRODUCT CODE (type)

E4	05-301
U2	05-304

E4

U2
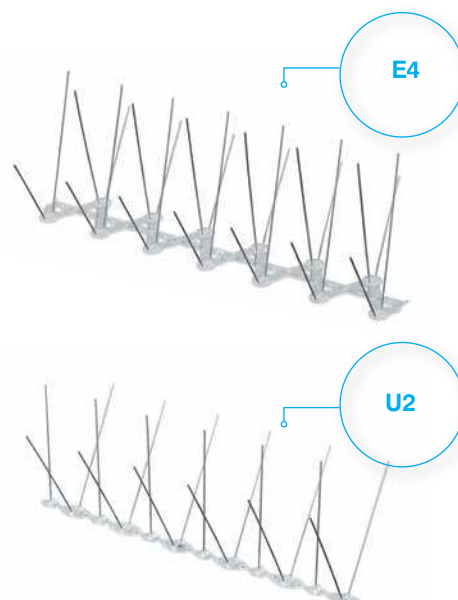
FARMER SCREW FOR WOOD CONSTRUCTIONS

Self-drill screw made for fastening metal sheets to wooden underlays. The screw has a reduced drill point, a thread for wood, a hexagonal head and a steel washer with an EPDM gasket.

MATERIAL	COATING	DIMENSIONNS	GASKET MATERIAL	GASKET DIAMETER	AVAILABLE COLOURS
Steel	Zinc	4.8 x 25 mm 4.8 x 35 mm 4.8 x 55 mm	Steel / EPDM	14 mm	15 x RAL

■ PRODUCT CODE (size/colour)

	red	dark graphite	blue	light-green	green	graphite	brick	brown
4.8x25 mm	WFD-48025-3011	*	*	*	WFD-48025-6020	WFD-48025-7024	WFD-48025-8004	WFD-48025-8017
4.8x35 mm	WFD-48035-3011	WFD-48035-5008	WFD-48035-5010	WFD-48035-6005	WFD-48035-6020	WFD-48035-7024	WFD-48035-8004	WFD-48035-8017
4.8x55 mm	*	*	WFD-48055-5010	*	*	WFD-48055-7024	WFD-48055-8004	WFD-48055-8017

	black	silver	white	cherry	dark cherry	light-brown	anthracite	zinc
4.8x25 mm	WFD-48025-9005	*	WFD-48025-9010	*	*_	*	WFD-48025-7016	WFDOC-48025
4.8x35 mm	WFD-48035-9005	WFD-48035-9006	WFD-48035-9010	WFD-48035-3005	WFD-48035-3009	WFD-48035-8016	WFD-48035-7016	WFDOC-48035
4.8x55 mm	WFD-48055-9005	WFD-48055-9006	WFD-48055-9010	WFD-48055-9006	WFD-48055-3009	WFD-48055-8019	WFD-48055-7016	WFDOC-48055

SCREW 6 X 50 MM TORX FOR MOUNTING ROOF COMMUNICATION

A screw made for fastening snow fence support roaches to a wooden roof construction.

MATERIAL	DIAMETER	LENGTH
Galvanised steel	6 mm	50 mm

■ PRODUCT CODE (size/colour)

L.: 50 mm	1191010600505

HEXAGON HEAD SCREW FOR FASTENING SNOW PROTECTION

A screw made for fastening snow fence support roaches to a wooden roof construction.

MATERIAL	DIAMETER	LENGTH
stainless steel	6 mm	60/70/80/ 100 mm

■ PRODUCT CODE (LENGTH)

L.: 60 mm	K-06060
L.: 70 mm	K-06070
L.: 80 mm	K-06080
L.: 100 mm	K-06100

HEXAGON HEAD SCREW FOR FASTENING ROOF WALKWAYS

A screw made for fastening safety benches and steps to wooden underlays.

MATERIAL	DIAMETER	LENGTH
Zinc-coated steel	8 mm	60/80/100 mm

■ PRODUCT CODE (LENGTH)

L.: 60 mm	K-08060
L.: 80 mm	K-08080
L.: 100 mm	K-08100

HOW TO SAFELY MOVE
ON PITCHED ROOFS

IT OFTEN HAPPENS THAT THERE IS A NEED TO ENTER THE ROOF FOR MAINTENANCE OF EQUIPMENT SUCH AS EXHAUST CHIMNEYS, ROOF VENTS, SOLAR PANELS AND ROOF WINDOWS. THE ROLE OF ROOF WALKWAYS IS TO PROVIDE A SAFE MOVING AND WORK ENVIROMENT ON THE PITCHED ROOF WITH SHARP SLOPE ANGLE.

Besides of safety, a well thought out communication system can prevent unnecessary damage to the roof, resulting from direct walking on tiles or use of scaffolding that is unsuitable for this purpose.

The roof bridges are used for communication across the roof fall. Depending on the kind of roof cover, an appropriate support grip must be selected, suitable for a particular rafter framing design. It is installed directly to the battens or rafters by galvanised wood screws with a minimum size 8x60 mm. The set consists two or more support grips, chimney sweep bench fasteners and one chimney bench in available sizes. While using the long chimney bench, support grips must be installed at intervals not exceeding 80 cm.

The chimney sweep safety step system complements the chimney bridges. Their purpose is to create routes running along the roof slope. Chimney steps should be arranged alternately, in a way that gives the ability to walk on the roof roof as on stairs.

SETS CHARACTERISTICS

● **Easy mounting**

The various types of supports, built especially for specified roof coverings, enable a quick and effortless mounting.

● **Anti-skid surface**

The specially profiled anti-skid embossments on the whole surface of the bench increase the safety while walking on the roof.

● **Tilt angle regulation**

The form of the bench fastener "cradle" enables a free regulation of the bench's tilt angle to the roof's angle.

TERMS GLOSSARY

• Hot zinc covering

The hot zinc process is made by immersing the prefabricate in heated up to liquid zinc, for several minutes. Contrary to the galvanisation process, the zinc coating is thicker and so more resistant against oxidation processes.

• Powder varnish

The process of securing the prefabricates is performed by covering its surface with electrified particles of paint and heating it in an oven afterwards. When heated, the particles of paint become fused and then polymerise, thus building a layer that is resistant against mechanical damage, chemicals, corrosion and high temperature.

• RAL colours

The palette of colours used specificly in the industry and commerce, for the unified description of a colour in the form of a four-digit number.

CRUCIAL
PICTOGRAMS

coating	preservation	Dimensionn

III.

ROOF WALKWAYS

IN THIS SECTION

complete chimney sweep safety benches
complete chimney sweep safety steps

according to standard
PN-EN 516

COMPLETE SET
OF CHIMNEY BENCH

Chimney bench

Acts as a platform for moving around on a roof slope. The bench is attached with screws to the fastenings through the side slots. Separate sections of the benches are joined with fasteners through the same side slots.

Fastener

Otherwise know as a cradle. Half-round element used to connect the chimney bench with the bracket. Its shape allows you to freely adjust the angle of the platform.

Brackets

They come in different variants and sizes adapted to selected types of roofing materials. With their assistance, the entire communication set is permanently attached to the roof structure. The set consist of two brackets.

Mounting screws

Each element should be tightened with screws attached to the set.

Wood pin

TORX 6 x 50 mm are used for fixing brackets to the wooden roof structure.
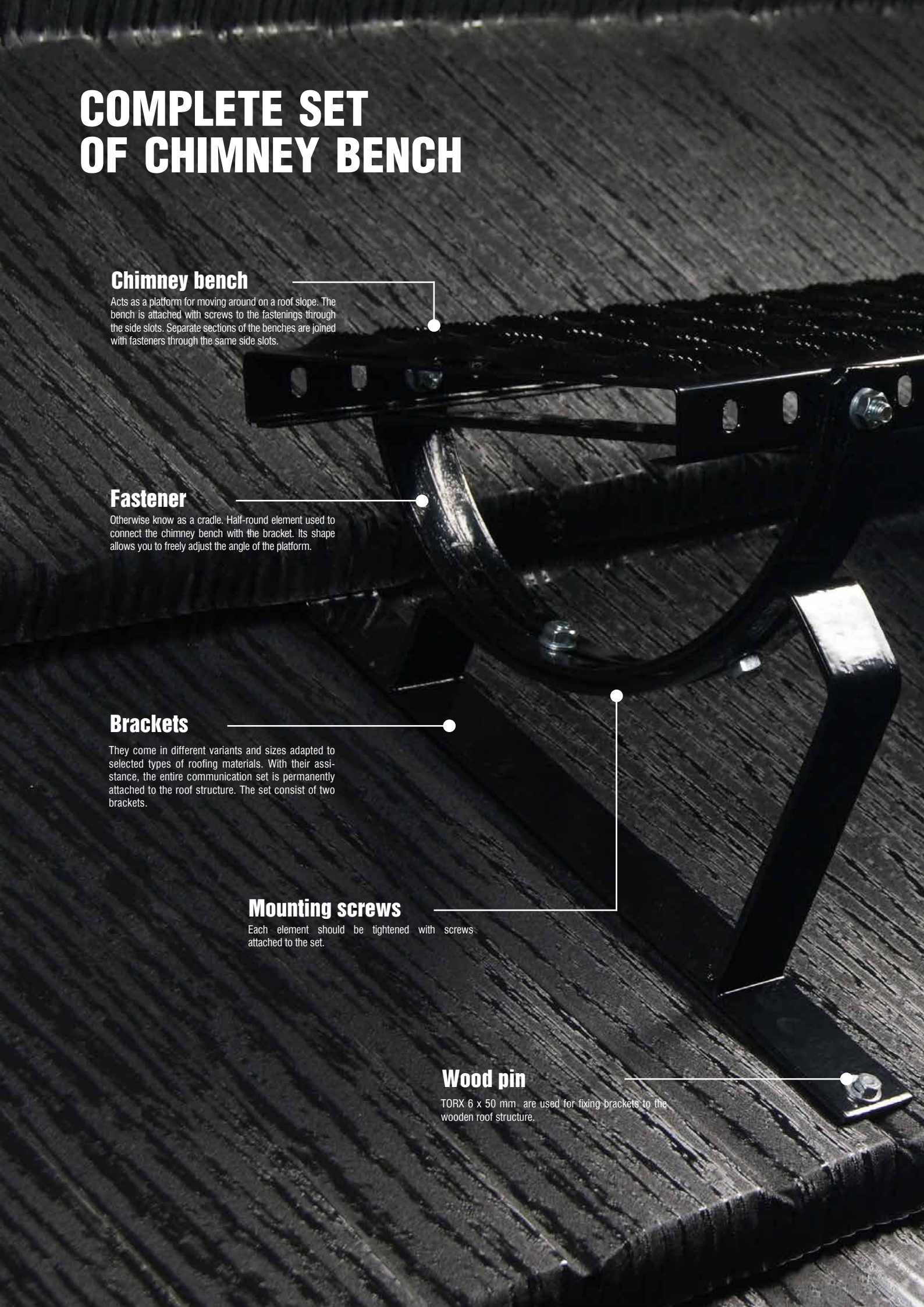
Chimney sweep safety bench + fastener (cradle)

Made out of steel coated with zinc and a high quality powder coating. Equipped with anti-skid embossments. Mounted with the help of a fastener to a support grip intended for the specific roof covering type (see next page for reference)

MATERIAL	PRESERVATION	COATING	BENCH LENGTH	BENCH WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	40. 60. 80.100 120. 150. 200. 300 cm	250 mm	1.5 mm

■ PRODUCT CODE - chimney sweep safety bench (length/colour)

	40 cm	60 cm	80 cm	100 cm	120 cm	150 cm	200 cm
cherry	K.LAW.40.3004	K.LAW.60.3004	K.LAW.80.3004	K.LAW.100.3004	K.LAW.120.3004	K.LAW.150.3004	K.LAW.200.3004
chestnut	K.LAW.40.3009	K.LAW.60.3009	K.LAW.80.3009	K.LAW.100.3009	K.LAW.120.3009	K.LAW.150.3009	K.LAW.200.3009
red	K.LAW.40.3011	K.LAW.60.3011	K.LAW.80.3011	K.LAW.100.3011	K.LAW.120.3011	K.LAW.150.3011	K.LAW.200.3011
green	K.LAW.40.6020	K.LAW.60.6020	K.LAW.80.6020	K.LAW.100.6020	K.LAW.120.6020	K.LAW.150.6020	K.LAW.200.6020
anthracite	K.LAW.40.7016	K.LAW.60.7016	K.LAW.80.7016	K.LAW.100.7016	K.LAW.120.7016	K.LAW.150.7016	K.LAW.200.7016
graphite	K.LAW.40.7024	K.LAW.60.7024	K.LAW.80.7024	K.LAW.100.7024	K.LAW.120.7024	K.LAW.150.7024	K.LAW.200.7024
brick	K.LAW.40.8004	K.LAW.60.8004	K.LAW.80.8004	K.LAW.100.8004	K.LAW.120.8004	K.LAW.150.8004	K.LAW.200.8004
brown	K.LAW.40.8017	K.LAW.60.8017	K.LAW.80.8017	K.LAW.100.8017	K.LAW.120.8017	K.LAW.150.8017	K.LAW.200.8017
black	K.LAW.40.9005	K.LAW.60.9005	K.LAW.80.9005	K.LAW.100.9005	K.LAW.120.9005	K.LAW.150.9005	K.LAW.200.9005
zinc	K.LAW.40.OCYNK	K.LAW.60.OCYNK	K.LAW.80.OCYNK	K.LAW.100.OCYNK	K.LAW.120.OCYNK	K.LAW.150.OCYNK	K.LAW.200.OCYNK

*3 meters long benches are available on special order.

Fastener(cradle) for the chimney bench

It is made of steel sheet subjected to a hot-dip galvanising process and powder coating. It is used to connect the chimney bench to the bracket. Thanks to it, it is possible to adjust the angle of the bench to the roof slope.

MATERIAL	PRESERVATION	COATING
Steel	Hot zinc	Powder varnish

■ PRODUCT CODE

cherry	K.MOC.3004	graphite	K.MOC.7024
chestnut	K.MOC.3009	brick	K.MOC.8004
red	K.MOC.3011	brown	K.MOC.8017
green	K.MOC.6020	black	K.MOC.9005
anthracite	K.MOC.7016	zinc	K.MOC.OCYNK

CHIMNEY SWEEP SAFETY BENCH BRACKET

A bracket made out of hot-dip galvanised zinc and powder coated steel. Used for coupling two safety benches into one longer bench.

MATERIAL	PRESERVATION	COATING
Steel	Hot zinc	Powder varnish

PRODUCT CODE (colour)

cherry	K.LAC.3004	red	K.LAC.3011
chestnut	K.LAC.3009	green	K.LAC.6020
anthracite	K.LAC.7016	brick	K.STO.8004
graphite	K.LAC.7024	brown	K.STO.8017
black	K.LAC.9005		
zinc	K.LAC.OCYNK		

BRACKETS FOR ROOF TILES

The support grips are made out of hot-dip galvanised zinc and powder coated steel. Made to mount safety benches and steps on pitched roofs. The support is mounted to the roof construction. Specific supports from list below are designed for a particular type of roofing.

MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	40 mm	4 mm
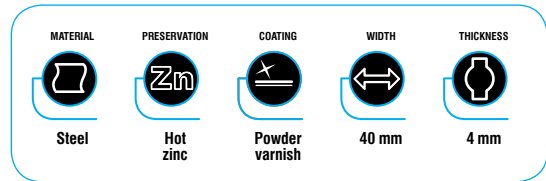
DBDC UNIVERSAL SUPPORT FOR
concrete and ceramic tiles and scale tiles/beavertail tiles

■ **PRODUCT CODE** (colour)

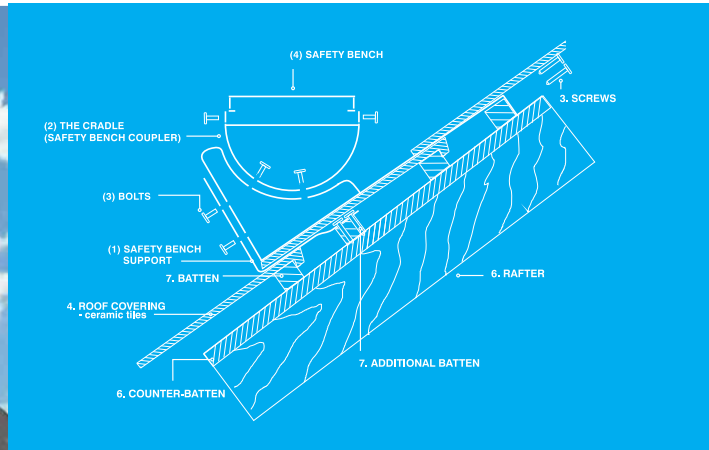| brick-red	K.WSP.DBDC.8004	red	K.WSP.DBDC.3011	chestnut	K.WSP.DBDC.3009	brown	K.WSP.DBDC.8017
cherry	K.WSP.DBDC.3004	green	K.WSP.DBDC.6020	anthracite	K.WSP.DBDC.7016	graphite	K.WSP.DBDC.7024
black	K.WSP.DBDC.9005	zinc	K.WSP.DBDC.OCYNK				

(4) SAFETY BENCH
(2) THE CRADLE (SAFETY BENCH COUPLER)
(3) BOLTS
(1) SAFETY BENCH SUPPORT
7. BATTEN
4. ROOF COVERING - ceramic tiles
3. SCREWS
6. RAFTER
7. ADDITIONAL BATTEN
6. COUNTER-BATTEN

DBDC-LN1 SUPPORT FOR
concrete and ceramic tiles

■ **PRODUCT CODE** (colour)

brick-red	K.WSP.DBDC-LN1.8004	red	K.WSP.DBDC-LN1.3011	chestnut	K.WSP.DBDC-LN1.3009	brown	K.WSP.DBDC-LN1.8017
cherry	K.WSP.DBDC-LN1.3004	green	K.WSP.DBDC-LN1.6020	anthracite	K.WSP.DBDC-LN1.7016	graphite	K.WSP.DBDC-LN1.7024
black	K.WSP.DBDC-LN1.9005	zinc	K.WSP.DBDC-LN1.OCYNK				

QUICK INSTALLATION

(4) SAFETY BENCH
(3) BOLTS
(2) THE CRADLE (SAFETY BENCH COUPLER)
4. ROOF COVERING - ceramic tiles
3. SCREWS
(1) SAFETY BENCH SUPPORT
7. BATTEN
6. RAFTER
6. COUNTER-BATTEN
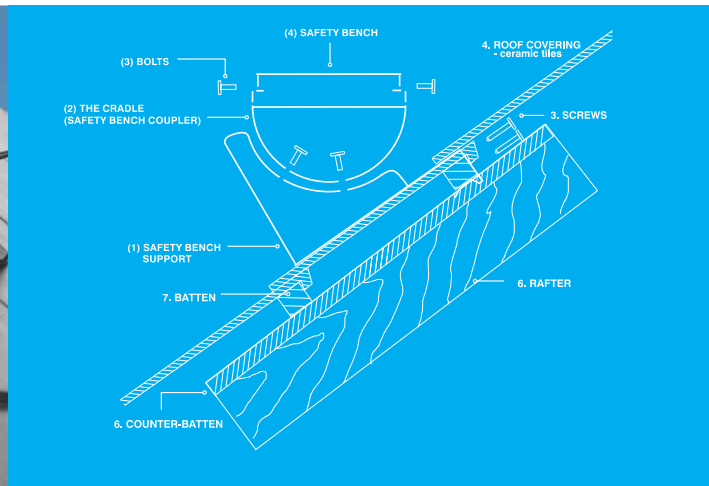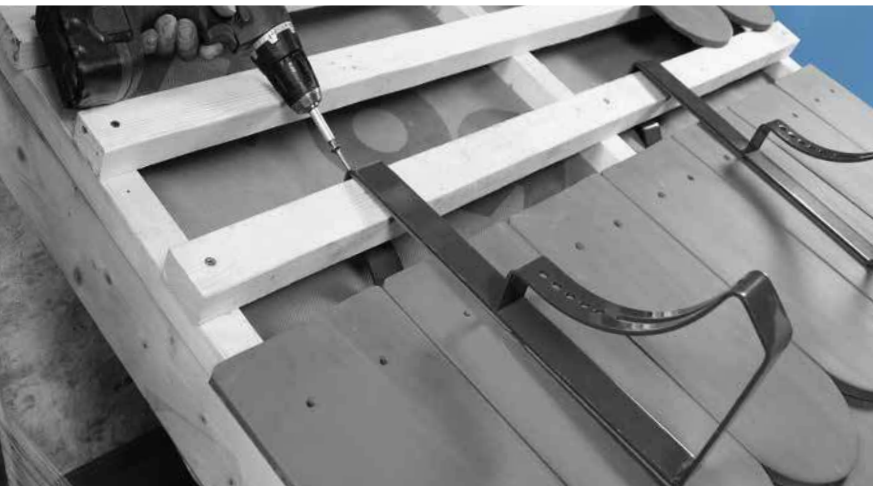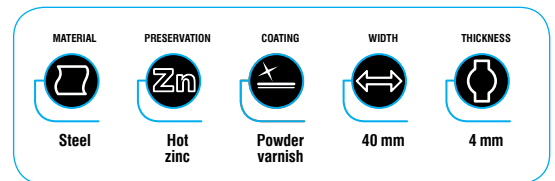
SUPPORTS FOR METAL TILES

BD SUPPORT FOR
metal tiles (see table below)

Made out of zinc and powder coated steel. Made to mount safety benches and steps on gable roofs covered with metal tiles. The support is mounted through the metal tile to the roof construction. The table below contains a list of compatibile metal tiles.

■ PRODUCT CODE - METAL TILES SUPPORT (module/colour)

	MODULE 330/30	MODULE 350/20	MODULE 350/30	MODULE 350/35	MODULE 400/20
cherry	K.WSP.BD33030.3004*	K.WSP.BD35020.3004	K.WSP.BD35030.3004	K.WSP.BD35035.3004	K.WSP.BD40020.3004
chestnut	K.WSP.BD33030.3009	K.WSP.BD35020.3009	K.WSP.BD35030.3009	K.WSP.BD35035.3009*	K.WSP.BD40020.3009
red	K.WSP.BD33030.3011	K.WSP.BD35020.3011	K.WSP.BD35030.3011	K.WSP.BD35035.3011*	K.WSP.BD40020.3011
green	K.WSP.BD33030.6020	K.WSP.BD35020.6020	K.WSP.BD35030.6020	K.WSP.BD35035.6020*	K.WSP.BD40020.6020
anthracite	K.WSP.BD33030.7016*	K.WSP.BD35020.7016	K.WSP.BD35030.7016	K.WSP.BD35035.7016*	K.WSP.BD40020.7016
graphite	K.WSP.BD33030.7024	K.WSP.BD35020.7024	K.WSP.BD35030.7024	K.WSP.BD35035.7024	K.WSP.BD40020.7024
brick-red	K.WSP.BD33030.8004	K.WSP.BD35020.8004	K.WSP.BD35030.8004	K.WSP.BD35035.8004	K.WSP.BD40020.8004
brown	K.WSP.BD33030.8017	K.WSP.BD35020.8017	K.WSP.BD35030.8017	K.WSP.BD35035.8017	K.WSP.BD40020.8017
black	K.WSP.BD33030.9005	K.WSP.BD35020.9005	K.WSP.BD35030.9005	K.WSP.BD35035.9005	K.WSP.BD40020.9005
zinc	K.WSP.BD33030.OCYNK	K.WSP.BD35020.OCYNK	K.WSP.BD35030.OCYNK	K.WSP.BD35035.OCYNK	K.WSP.BD40020.OCYNK

* on special order

MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	40 mm	4 mm

PROFILE height
MODULE LENGTH

BD SUPPORTS LIST
and a compatible list of metal tiles

support: 350/20, 420/20, 460/20 mm (module length / profile height)

Arcelor Mittal - Halny
Budmat Sara
Budmat Wenus
Budmat Aria
Budmat Zefir
Blachcentrum Aga
Blachotrapez Joker
Balex Spektrum
Balex Horyzont
Blachprofil 2 Alfa Premium
Blachprofil 2 Alfa Plus
Blachprofil 2 Alfa Standard
Blachprofil 2 Beta
Blachprofil 2 Omega
Blachotrapez Diament Plus
Blachotrapez Diament Eco Plus
Blachotrapez Kingas
Blachotrapez Kingas Eco Plus
Blachotrapez Kingas 15
BlachdomPlus Bona
BlachdomPlus Perła
BlachdomPlus Imperia Plus
BlachdomPlus Korona Plus
BlokBlach Natura
BlokBlach Aqua
BlachStal King
BlachStal German
Blachodach Bingo
Blachodach Bravo
Blachodach Swing
Blachodach T wist
Blachodach Sonata
Blach-Pol Eska
Bratex Platino
Bratex Vilano
Bratex Platino Eco
Bratex Hera
Dispol Stella
Dispol Luna
Florian Centrum Klara
Florian Centrum Kinga
Florian Centrum Europa
Florian Centrum Florina
Finish Profiles Finish
Finish Profiles Finish max
Finish Profiles King
Finish Profiles King Max

Finish Profiles Cesar
Glinmet Dona
Glinmet Monza
Glinmet Afrodyta
Kroll Mistral
Kroll Kroll Plus
Lindab LPAH
Lindab LPAL
Lindab LPAN
Metalex Fińska
Metalex Wiktoria
Metalmix Libra
Metalmix Proxima
Metalmix Vega
Nowax Atena
Nowax Diana
Nowax Klaudia
Nowax Aga
Nowax Klara
Nowax Korra
Polonica Luna
Polonica Elios
Polonica Astra
olonica Polaris
Plannja Scandic
Plannja Regent
Plannja Royal
Plannja Smart
Pruszyński Szafir
Pruszyński Rubin Plus
Pruszyński Kron
Regamet Maxima
Regamet Panel
Regamet Gloria
Regamet Olimpia
Rol-bud Kaja(lub 16mm)
Ruukki Monterrey Plus
Ruukki Monterrey Plus FEB-forma
Ruukki Monterrey Standrad
Ruukki Monterrey Standard FEB-forma
Ruukki Monterrey Premium
Stal-Hart Bella
Stal-Hart Kinga
Transblach Kiara
Włastal Perła
Włastal T opaz
Włastal Bursztyn

support: 400/20 mm (module length / profile height)

Budmat Sara
Budmat Aria
KINGSTILE
Pruszyński Rubin Plus
Pruszyński Kron
Aga
Klaudia
Blachprofil 2 Alfa Plus
Blachprofil 2 Omega
Blachotrapez Kingas
ARCEROLMITTAL- Halny
BlachStal German
Kroll Mistral
Nowax Diana
Plannja Scandic
Rol-bud Kaja
Stal-Hart Bella
Metalex Fińska
Metalmix Libra
Metalmix Vega

Transblach Kiara
Pruszyński Szafir
Budmat Zefir
Blachotrapez Diament Eco Plus
Blachotrapez Kingas 15
Kroll Kroll Plus
Lindab LPAN
Blachprofil 2 Alfa Plus
Blachprofil 2 Omega
BlachStal German
Florian Centrum Florina
Metalmix Libra
Metalmix Vega
Blachodach Sonata
Blach-Pol Eska
Stal-Hart Kinga
Budmax-Metal Eco-Max
Bratex Hera
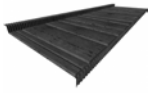Bratex Platino Eco

support: 350/30 mm (module length / profile height)

Pruszyński Tur
Pruszyński Regle
BlachProfil2 Gamma
BlachProfil2 Gamma
Blachprofil 2 Zet
Blachotrapez Germania Simetric
Blachotrapez Germania
BlachStal German
BlachStal German
Glinmet Galla
Glinmet Monza Exclusive
Glinmet Temida

Plannja Flex
Pruszyński Arad Premium
Pruszyński Optima Arad
Pruszyński Modus Arad
Pruszyński Gryf
BlachProfil2 Gamma
Blachotrapez Germania
Glinmet Afrodyta Exclusive
Ruukki Adamante Premium
Ruukki Adamante Plus
Ruukki Adamante Standard
Vikor Vika

support: 330/30 mm

Budmat Murano
Budmat Rialto

support: 350/35 mm

Bartex Scandinavia
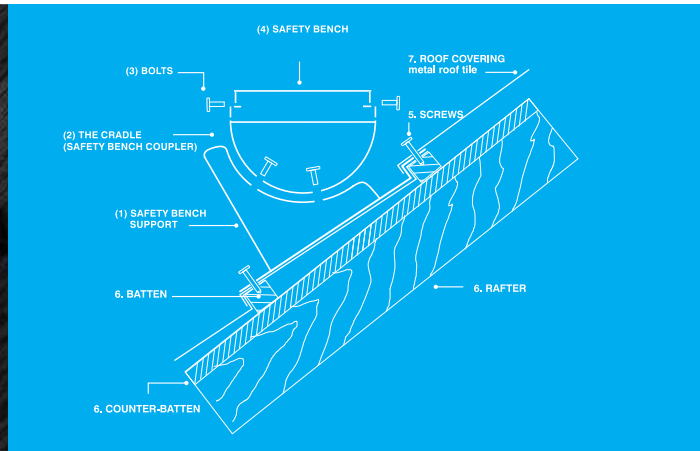Budmat Venecja
Rukki Finnera

SUPPORT TYPE BP
for roof panel tiles

Support type BP is made for roof panel tiles. It has a different embossing relative to the traditional BD bracket. Suitable for sprinkled panels and Polish „Janosik" imitating wooden shingles. The length of the module is 370 cm, the height of the crease is 25 cm.
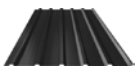
■ PRODUCT CODE (colour)

brick-red	K.WSP.BP37025.8004	red	K.WSP.BP37025.3011	chestnut	K.WSP.BP37025.3009	brown	K.WSP.BP37025.8017
cherry	K.WSP.BP37025.3004	green	K.WSP.BP37025.6020	anthracite	K.WSP.BP37025.7016	graphite	K.WSP.BP37025.7024
black	K.WSP.BP37025.9005	zinc	K.WSP.BP37025.OCYNK				

(4) SAFETY BENCH
(3) BOLTS
7. ROOF COVERING metal roof tile
(2) THE CRADLE (SAFETY BENCH COUPLER)
5. SCREWS
(1) SAFETY BENCH SUPPORT
6. BATTEN
6. RAFTER
6. COUNTER-BATTEN

SUPPORT FOR PLAIN ROOF COVERINGS

The support grips are made out of hot-dip galvanised zinc and powder coated steel. Made to mount safety benches and steps on pitched roofs. The support is mounted to the roof construction. Specific supports from list below are designed for a particular type of roofing.
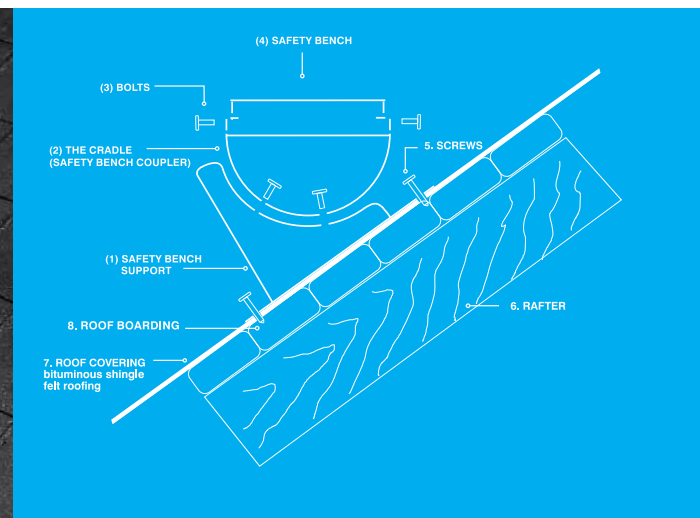
MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	40 mm	4 mm

U SUPPORT FOR
flat and trapezoidal sheet, bituminous shingle, roofing felt

■ PRODUCT CODE (colour)

brick-red	K.WSP.U.8004	red	K.WSP.U.3011	chestnut	K.WSP.U.3009	brown	K.WSP.U.8017
cherry	K.WSP.U.3004	green	K.WSP.U.6020	anthracite	K.WSP.U.7016	graphite	K.WSP.U.7024
black	K.WSP.U.9005	zinc	K.WSP.U.OCYNK				

(4) SAFETY BENCH
(3) BOLTS
(2) THE CRADLE (SAFETY BENCH COUPLER)
5. SCREWS
(1) SAFETY BENCH SUPPORT
8. ROOF BOARDING
6. RAFTER
7. ROOF COVERING bituminous shingle felt roofing

PAROTEC®

„RABEK" SUPPORT FOR
standing seam metal roofs

■ **PRODUCT CODE** (colour)

brick-red	K.WSP.RABEK.8004	red	K.WSP.RABEK.3011	chestnut	K.WSP.RABEK.3009	brown	K.WSP.RABEK.8017
cherry	K.WSP.RABEK.3004	green	K.WSP.RABEK.6020	anthracite	K.WSP.RABEK.7016	graphite	K.WSP.RABEK.7024
black	K.WSP.RABEK.9005	zinc	K.WSP.RABEK.OCYNK				

Diagram labels:
(3) BOLTS
(4) SAFETY BENCH
5. STANDING SEAM SHEET
(2) THE CRADLE (SAFETY BENCH COUPLER)
(1) SAFETY BENCH SUPPORT
10. SCREWS
9. CLAMP
8. BATTEN
6. RAFTER
7. COUNTER-BATTEN
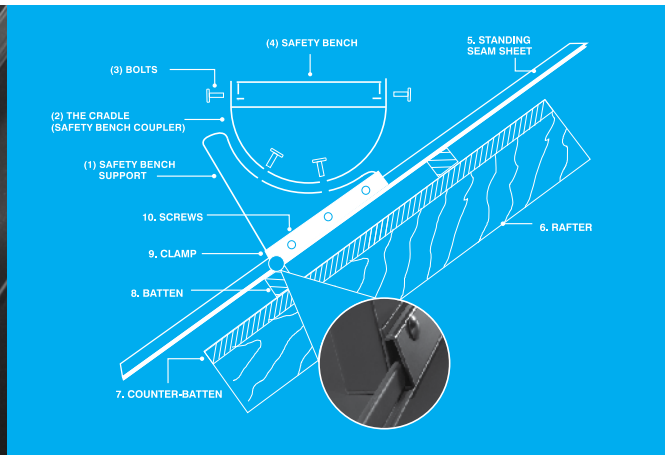
SUPPORTS FOR MOUNTING ON WALLS

The support grips are made out of hot-dip galvanised zinc and powder coated steel. Made to mount safety benches and steps on pitched roofs. The support is mounted to the roof construction. Specific supports from the list below are designed for a particular type of roofing.
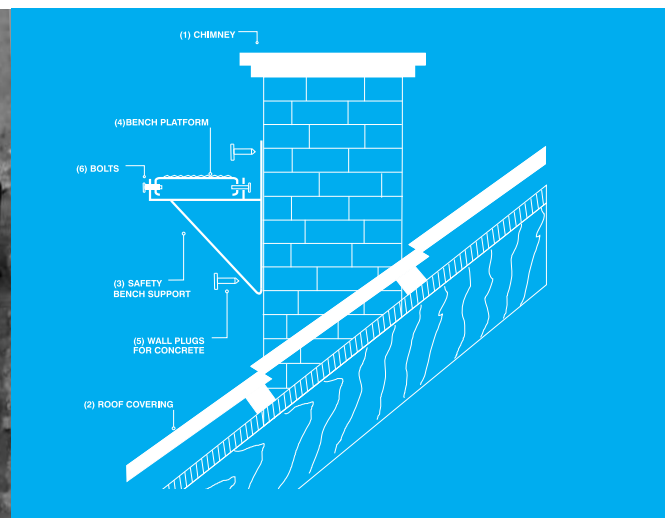
MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	40 mm	4 mm

CHIMNEY SUPPORT BRACKET
for mounting on walls

■ **PRODUCT CODE** (colour)

brick-red	K.WSP.SCI.8004	red	K.WSP.SCI.3011	chestnut	K.WSP.SCI.3009	brown	K.WSP.SCI.8017
cherry	K.WSP.SCI.3004	green	K.WSP.SCI.6020	anthracite	K.WSP.SCI.7016	graphite	K.WSP.SCI.7024
black	K.WSP.SCI.9005	zinc	K.WSP.SCI.OCYNK				

Diagram labels:
(1) CHIMNEY
(4) BENCH PLATFORM
(6) BOLTS
(3) SAFETY BENCH SUPPORT
(5) WALL PLUGS FOR CONCRETE
(2) ROOF COVERING

CHIMNEY SWEEP SAFETY STEP
for vertical movement on the roof

A safety step made out of hot-dip galvanised zinc and powder coated steel. The step is mounted directly to the support, no bench fasteners are needed. The steps should be mounted every 0.5 m.

MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	40 mm	4 mm

PRODUCT CODE
SAFETY STEP (colour)

cherry	K.STO.3004	graphite	K.STO.7024
chestnut	K.STO.3009	brick	K.STO.8004
red	K.STO.3011	brown	K.STO.8017
green	K.STO.6020	black	K.STO.9005
anthracite	K.STO.7016	zinc	K.STO.OCYNK

A COMPLETE CHIMNEY TABLE IS MADE UP OF:

chimney sweep safety step

+

the right type of bracket (selected for roofing tiles)
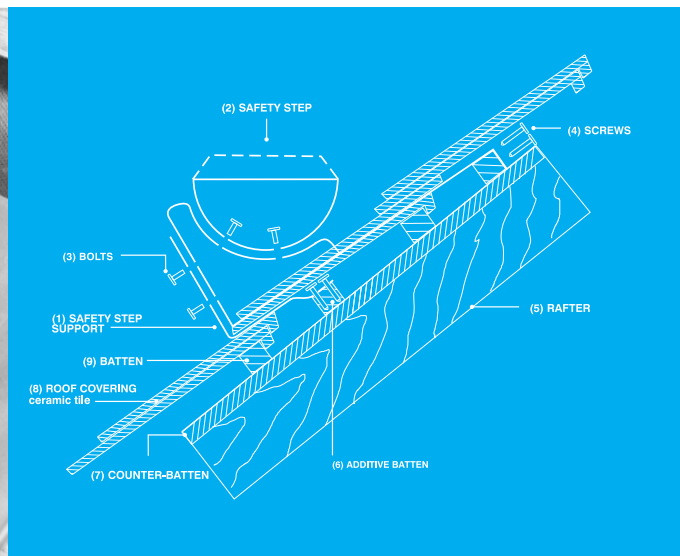
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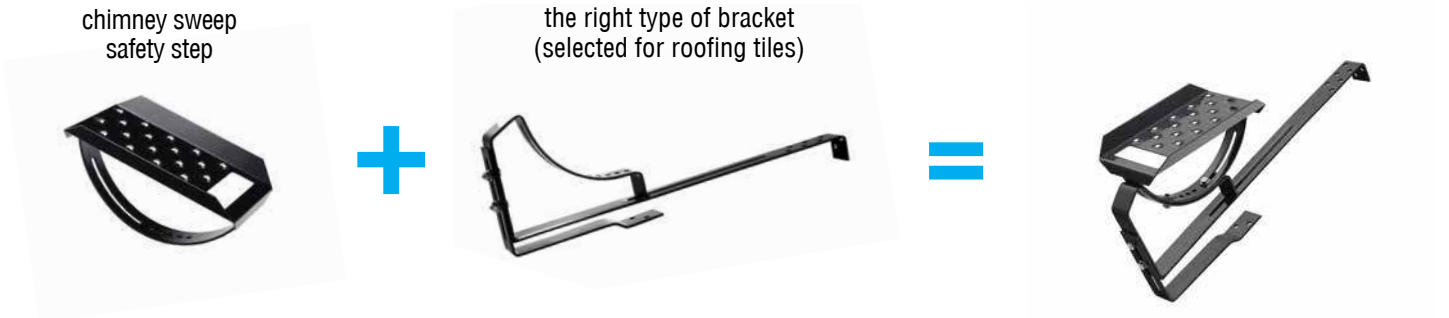
supports for mounting
chimney sweep safety step

DBDC - concrete and ceramic tiles and scale tiles/beavertail tiles

BD - for metal tile

U - for flat covering

(2) SAFETY STEP
(4) SCREWS
(3) BOLTS
(1) SAFETY STEP SUPPORT
(5) RAFTER
(9) BATTEN
(8) ROOF COVERING ceramic tile
(6) ADDITIVE BATTEN
(7) COUNTER-BATTEN

NEW!
CHIMNEY SAFETY SWEEP STEP WITH DOUBLE SUPPORT TECTO

for vertical movement on the roof slope

It is made of steel sheet subjected to a hot-zinc galvanising process and painting powder. The complete step consists of a platform and two brackets. Degrees should be installed at intervals of 40-50 cm depending on the roof pitch.

MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	30 mm	4 mm

■ PRODUCT CODE

cherry	KK.3004.LN1.TECT	graphite	KK.7024.LN1.TECT
chestnut	KK.3009.LN1.TECT	brick	KK.8004.LN1.TECT
red	KK.3011.LN1.TECT	brown	KK.8017.LN1.TECT
green	KK.6020.LN1.TECT	black	KK.9005.LN1.TECT
anthracite	KK.7016.LN1.TECT	zinc	KK.OCYNK.LN1.TECT

COMPLETE CHIMNEY SAFETY SWEEP STEPS CONSIST OF :

platform TECTO

two supports TECTO

Diagram:
- 6. SAFETY STEP
- (3) BOLTS
- 5. SCREWS
- (1) SAFETY BENCH SUPPORT
- 6. BATTEN
- 6. RAFTER
- 8. ROOF COVERING ceramic tile
- 7. COUNTER-BATTEN
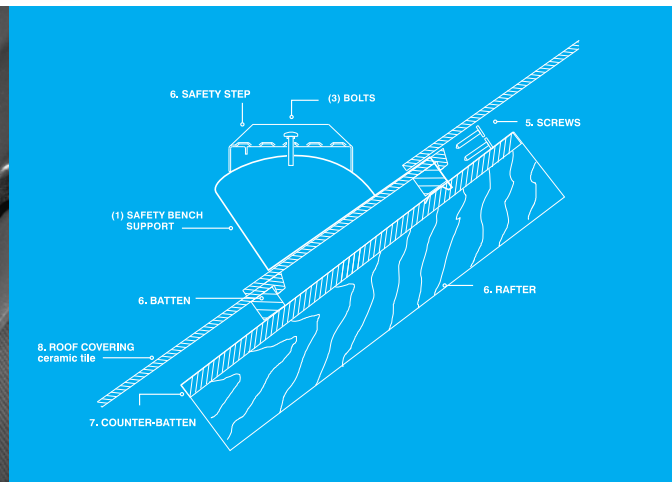
● **NON-SLIP SURFACE**

The step has been provided with non-slip ribbing and a special indentation acting as a handle to help you navigate between levels.

● **UNIVERSAL APPLICATION**

The LN bracket allows free assembly of the set on most roofs with a roofing made of concrete, ceramic, carp or slate tiles.

● **ADJUSTMENT OF ELEMENT SETTINGS**

The set gives the possibility of adjusting the angle of inclination of the step in the range of 15 - 50^0 and the width of the spacing of supports 110 - 190 mm, which simplifies their adjustment to the roofing system.

ADVANTAGES OF USING
SNOW PROTECTION

BESIDES ROOF WALKWAYS, AN IMPORTANT ELEMENT OF THE ROOF IS ITS SNOW PROTECTION. A TYPICAL SYSTEM CONSISTS OF A SNOW FENCE WITH TWO SUPPORT BRACKETS, WHICH SECURES IT TO THE ROOF CONSTRUCTION.

Thanks to the use of snow fences and snow guards we secure our gutter system against severe damage caused by the weight of snow slipping down from the roof. The second but no less important cause for using snow protection is the falling of big, frozen chunks of snow from the roof, which can cause a threat to people and property under the roof's eaves.

The mounting of the elements is done similar to that of roof walkways, directly to the roof's construction, rafters or battens. The snow fence support roaches, such as the safety bench supports, are built for specific roof coverings, and their ordination is analogical.

HOW MANY GRIPS DO I NEED?

WHILE MOUNTING A SNOW FENCE YOU SHOULD FIRST CONSIDER THE LENGTH OF THE SNOW FENCE AND THE PITCH ANGLE OF THE ROOF.

What does the number of the snow fence grips depend on? From the pitch angle of the roof (the greater the angle, the greater the number of grips), from the length of the roof plain (rafter length) . above 6m it is required to use more grips, or even mount a second line of snow fences. By standard rafter lengths, you should use a number of rafters in accordance with the table below.

ROOF PITCH ANGLE	to 20º	20º to 40º	above 40º
• 150 cm-long snow fence	2 grips	3 grips	4 grips
• 200 cm-long snow fence	3 grips	4 grips	5 grips
• 300 cm-long snow fence	4 grips	5 grips	6 grips

TERMS OF GLOSSARY

• Hot zinc covering

The hot zinc process is made by immersing the prefabricate, in heated liquid zinc for several minutes. Contrary to the galvanisation process the zinc coating is thicker and much more resistant against oxidation processes.

• Powder varnish

The process of securing the prefabricates, by covering its surface with electrified particles of paint, and heating it in an oven afterwards. During heating process the particles of paint become fused and then polymerise, thus building a layer that's resistant against mechanical damage, chemicals, corrosion and high temperature.

• RAL colours

The palette of colours used specificly in the industry and commerce, for the unified description of a colour in the form of a four digit number.

CRUCIAL
PICTOGRAMS

coating   preservation   Dimensionn

III.

SNOW PROTECTION

IN THIS SECTION

complete snow protection
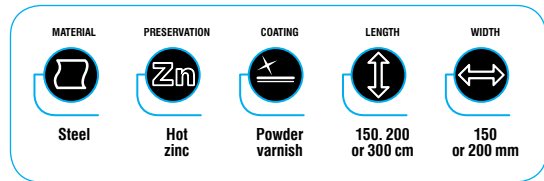snow guards
pipe snow protection system

COMPLETE SNOW PROTECTION
for horizontal roof protection

Snow fence

The fence is made out of hot-dipped galvanised zinc and powder coated steel. Together with the support designed for the given roof covering, it builds a very efficient protection against snow sliding from the roof. Made out of angle bars 20x20x2 mm (fence skeleton) and a 1mm-thick metal sheet (crossbeams). Available in two widths: 150 and 200 mm.

MATERIAL	PRESERVATION	COATING	LENGTH	WIDTH
Steel	Hot zinc	Powder varnish	150. 200 or 300 cm	150 or 200 mm

■ PRODUCT CODE - fence width. 15 cm (length/colour)

	LENGTH: 1.5 m	LENGTH: 2 m	LENGTH: 3 m
cherry	O.PLO.W15.D150.3004	O.PLO.W15.D200.3004	O.PLO.W15.D300.3004
chestnut	O.PLO.W15.D150.3009	O.PLO.W15.D200.3009	O.PLO.W15.D300.3009
red	O.PLO.W15.D150.3011	O.PLO.W15.D200.3011	O.PLO.W15.D300.3011
green	O.PLO.W15.D150.6020	O.PLO.W15.D200.6020	O.PLO.W15.D300.6020
anthracite	O.PLO.W15.D150.7016	O.PLO.W15.D200.7016	O.PLO.W15.D300.7016
graphite	O.PLO.W15.D150.7024	O.PLO.W15.D200.7024	O.PLO.W15.D300.7024
brick-red	O.PLO.W15.D150.8004	O.PLO.W15.D200.8004	O.PLO.W15.D300.8004
brown	O.PLO.W15.D150.8017	O.PLO.W15.D200.8017	O.PLO.W15.D300.8017
black	O.PLO.W15.D150.9005	O.PLO.W15.D200.9005	O.PLO.W15.D030.9005
zinc	O.PLO.W15.D150.OCYNK	O.PLO.W15.D200.OCYNK	O.PLO.W15.D300.OCYNK

■ PRODUCT CODE - fence width. 20 cm (length/colour)

	LENGTH: 1.5 m	LENGTH: 2 m	LENGTH: 3 m
cherry	O.PLO.W20.D150.3004	O.PLO.W20.D200.3004	O.PLO.W20.D300.3004
chestnut	O.PLO.W20.D150.3009	O.PLO.W20.D200.3009	O.PLO.W20.D300.3009
red	O.PLO.W20.D150.3011	O.PLO.W20.D200.3011	O.PLO.W20.D300.3011
green	O.PLO.W20.D150.6020	O.PLO.W20.D200.6020	O.PLO.W20.D300.6020
anthracite	O.PLO.W20.D150.7016	O.PLO.W20.D200.7016	O.PLO.W20.D300.7016
graphite	O.PLO.W20.D150.7024	O.PLO.W20.D200.7024	O.PLO.W20.D300.7024
brick-red	O.PLO.W20.D150.8004	O.PLO.W20.D200.8004	O.PLO.W20.D300.8004
brown	O.PLO.W20.D150.8017	O.PLO.W20.D200.8017	O.PLO.W20.D300.8017
black	O.PLO.W20.D150.9005	O.PLO.W20.D200.9005	O.PLO.W20.D030.9005
zinc	O.PLO.W20.D150.OCYNK	O.PLO.W20.D200.OCYNK	O.PLO.W20.D300.OCYNK

WHAT IS COMPLETE SNOW PROTECTION MADE UP OF?

SNOW Fence
available length: 40 to 300 cm

2 OR MORE GRIPS
min.6 pcs when using a 3 m-long fence

OTHER PRODUCTS

SNOW PROTECTION FENCE BRACKET

A coupler made out of hot-dipped galvanised zinc and powder coated steel. Used for connecting two sets of snow fence into larger segments. One joint of two fences requires the use of two brackets.

■ PRODUCT CODE (colour)

brick-red O.LAC.8004	red O.LAC.3011	chestnut O.LAC.3009	brown O.LAC.8017
cherry O.LAC.3004	green O.LAC.6020	anthracite O.LAC.7016	graphite O.LAC.7024
black O.LAC.9005	zinc O.LAC.OCYNK		

PAROTEC®

GRIPS FOR
CONCRETE/CERAMIC TILES

The support is made out of hot-dipped galvanised zinc and powder coated steel. Used for mounting the snow fence on gable roofs covered with various roofcoverings. The support roach is mounted to the roof construction.
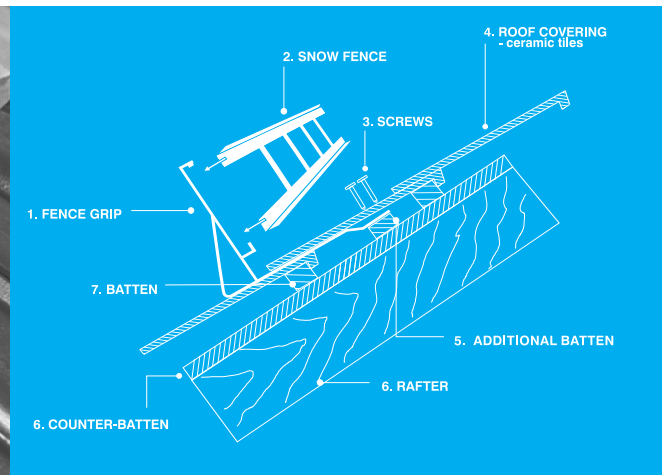
MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	30 mm	4 mm

DBDC GRIP FOR
concrete and ceramic tiles

■ PRODUCT CODE (type / colour)

fence grip width 15 cm				fence grip width 20 cm			
brick-red	O.U15.DBDC.8004	brown	O.U15.DBDC.8017	brick-red	O.U20.DBDC.8004	brown	O.U20.DBDC.8017
cherry	O.U15.DBDC.3004	graphite	O.U15.DBDC.7024	cherry	O.U20.DBDC.3004	graphite	O.U20.DBDC.7024
black	O.U15.DBDC.9005	red	O.U15.DBDC.3011	black	O.U20.DBDC.9005	red	O.U20.DBDC.3011
chestnut	O.U15.DBDC.3009	green	O.U15.DBDC.6020	chestnut	O.U20.DBDC.3009	green	O.U20.DBDC.6020
anthracite	O.U15.DBDC.7016	zinc	O.U15.DBDC.OCYNK	anthracite	O.U20.DBDC.7016	zinc	O.U20.DBDC.OCYNK

1. FENCE GRIP
2. SNOW FENCE
3. SCREWS
4. ROOF COVERING - ceramic tiles
5. ADDITIONAL BATTEN
6. RAFTER
6. COUNTER-BATTEN
7. BATTEN

DZLN1 UNIWERSAL GRIP FOR
concrete, ceramic and scale tiles

■ PRODUCT CODE (type / colour)

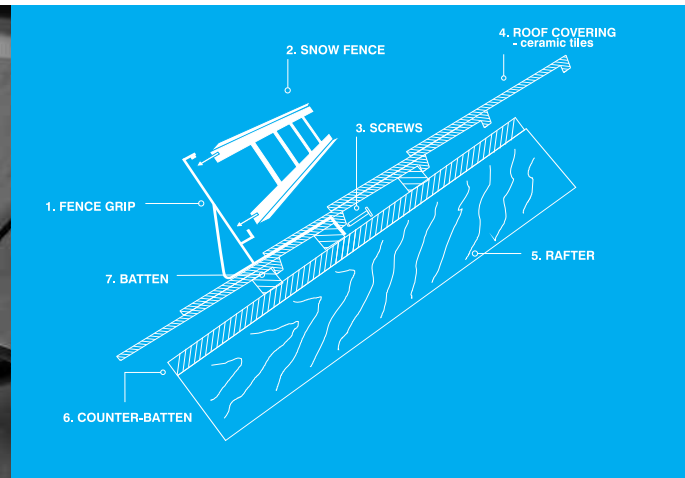| fence grip width 15 cm				fence grip width 20 cm			
brick-red	O.U15.DZLN1.8004	brown	O.U15.DZLN1.8017	bric-red	O.U20.DZLN1.8004	brown	O.U20.DZLN1.8017
cherry	O.U15.DZLN1.3004	graphite	O.U15.DZLN1.7024	cherry	O.U20.DZLN1.3004	graphite	O.U20.DZLN1.7024
black	O.U15.DZLN1.9005	red	O.U15.DZLN1.3011	black	O.U20.DZLN1.9005	red	O.U20.DZLN1.3011
chestnut	O.U15.DZLN1.3009	green	O.U15.DZLN1.6020	chestnut	O.U20.DZLN1.3009	green	O.U20.DZLN1.6020
anthracite	O.U15.DZLN1.7016	zinc	O.U15.DZLN1.OCYNK	anthracite	O.U20.DZLN1.7016	zinc	O.U20.DZLN1.OCYNK
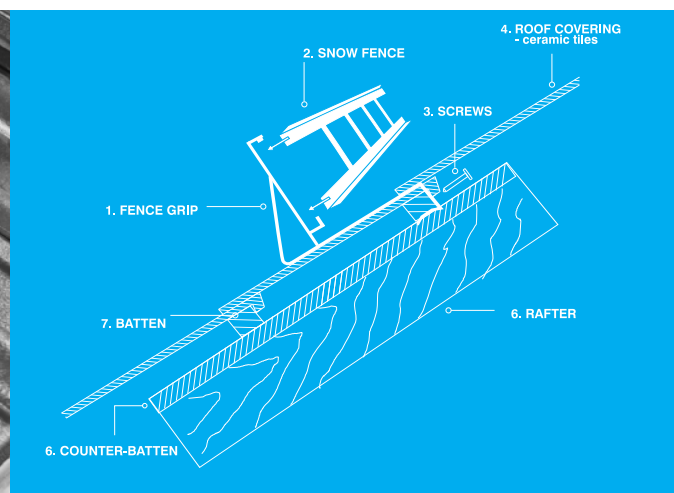
quick installation

1. FENCE GRIP
2. SNOW FENCE
3. SCREWS
4. ROOF COVERING - ceramic tiles
6. RAFTER
6. COUNTER-BATTEN
7. BATTEN

KARP-U GRIP FOR
scale tiles

■ **PRODUCT CODE** (type / colour)

fence grip width 15 cm					fence grip width 20 cm			
brick-red	O.U15.KARPU.8004	brown	O.U15.KARPU.8017		brick-red	O.U20.KARPU.8004	brown	O.U20.KARPU.8017
cherry	O.U15.KARPU.3004	graphite	O.U15.KARPU.7024		cherry	O.U20.KARPU.3004	graphite	O.U20.KARPU.7024
black	O.U15.KARPU.9005	red	O.U15.KARPU.3011		black	O.U20.KARPU.9005	red	O.U20.KARPU.3011
chestnut	O.U15.KARPU.3009	green	O.U15.KARPU.6020		chestnut	O.U20.KARPU.3009	green	O.U20.KARPU.6020
anthracite	O.U15.KARPU.7016	zinc	O.U15.KARPU.OCYNK		anthracite	O.U20.KARPU.7016	zinc	O.U20.KARPU.OCYNK

2. SNOW FENCE

4. ROOF COVERING - ceramic tiles

3. SCREWS

1. FENCE GRIP

5. RAFTER
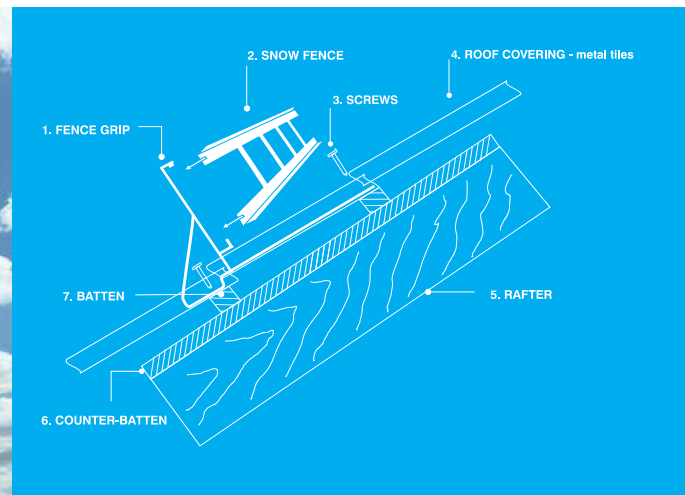
7. BATTEN

6. COUNTER-BATTEN

GRIPS FOR METAL SHEET TILES

They are made of steel sheet subjected to the process of hot zinc galvanising and powder painting. They are used for mounting a snow fence on pitched roofs. Each model is adapted to a specific type of roofing. The grips are attached directly to the roof truss structure. The BP grip is designed for panel type roof tiles; it has a different embossing in relation to the traditional BD grips. Fits the panels with sprinkles and „Janosik"-imitating wooden shingles. The length of the module is 370 cm. the height of the crease 25 cm. The list of BD brackets for the roof panel can be found in the table opposite.

BD GRIP FOR
metal sheet tiles

MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
steel	hot zinc	powder varnish	30 mm	4 mm

2. SNOW FENCE

4. ROOF COVERING - metal tiles

3. SCREWS

1. FENCE GRIP

5. RAFTER

7. BATTEN

6. COUNTER-BATTEN

■ PRODUCT CODE - grip for metal sheet tiles to 15 cm width fence (module/colour)

	MODULE 330/30	MODULE 350/20	MODULE 350/30	MODULE 350/35	MODULE 400/20	MODULE 420/20	MODULE 460/20
cherry	O.U15.33030.3004*	O.U15.35020.3004	O.U15.35030.3004	O.U15.35035.3004	O.U15.40020.3004	O.U15.42020.3004	O.U15.46020.3004
chestnut	O.U15.33030.3009*	O.U15.35020.3009	O.U15.35030.3009*	O.U15.35035.3009	O.U15.40020.3009	O.U15.42020.3009	O.U15.46020.3009
red	O.U15.33030.3011	O.U15.33030.3011	O.U15.35030.3011*	O.U15.35035.3011	O.U15.40020.3011	O.U15.42020.3011	O.U15.46020.3011
green	O.U15.33030.6020*	O.U15.35020.6020	O.U15.35030.6020*	O.U15.35035.6020	O.U15.40020.6020	O.U15.42020.6020	O.U15.46020.6020
anthracite	O.U15.33030.7016*	O.U15.35020.7016	O.U15.35030.7016*	O.U15.35035.7016	O.U15.40020.7016	O.U15.42020.7016	O.U15.46020.7016
graphite	O.U15.33030.7024	O.U15.35020.7024	O.U15.35030.7024	O.U15.35035.7024	O.U15.40020.7024	O.U15.42020.7024	O.U15.46020.7024
brick-red	O.U15.33030.8004	O.U15.35020.8004	O.U15.35030.8004	O.U15.35035.8004	O.U15.40020.8004	O.U15.42020.8004	O.U15.46020.8004
brown	O.U15.33030.8017	O.U15.35020.8017	O.U15.35030.8017	O.U15.35035.8017	O.U15.40020.8017	O.U15.42020.8017	O.U15.46020.8017
black	O.U15.33030.9005	O.U15.35020.9005	O.U15.35030.9005	O.U15.35035.9005	O.U15.40020.9005	O.U15.42020.9005	O.U15.46020.9005
zinc	O.U15.33030.OCYNK	O.U15.35020.OCYNK	O.U15.35030.OCYNK	O.U15.35035.OCYNK	O.U15.40020.OCYNK	O.U15.42020.OCYNK	O.U15.46020.OCYNK

■ PRODUCT CODE - grip for metal sheet tiles to 20cm width fence (module/colour)

	MODULE 330/30	MODULE 350/20	MODULE 350/30	MODULE 350/35	MODULE400/20	MODULE 420/20	MODULE 460/20
cherry	O.U20.33030.3004*	O.U20.35020.3004	O.U20.35030.3004	O.U20.35035.3004	O.U20.40020.3004	O.U20.42020.3004	O.U20.46020.3004
chestnut	O.U20.33030.3009*	O.U20.35020.3009	O.U20.35030.3009*	O.U20.35035.3009	O.U20.40020.3009	O.U20.42020.3009	O.U20.46020.3009
red	O.U20.33030.3011	O.U20.33030.3011	O.U20.35030.3011*	O.U20.35035.3011	O.U20.40020.3011	O.U20.42020.3011	O.U20.46020.3011
green	O.U20.33030.6020*	O.U20.35020.6020	O.U20.35030.6020*	O.U20.35035.6020	O.U20.40020.6020	O.U20.42020.6020	O.U20.46020.6020
anthracite	O.U20.33030.7016*	O.U20.35020.7016	O.U20.35030.7016*	O.U20.35035.7016	O.U20.40020.7016	O.U20.42020.7016	O.U20.46020.7016
graphite	O.U20.33030.7024	O.U20.35020.7024	O.U20.35030.7024	O.U20.35035.7024	O.U20.40020.7024	O.U20.42020.7024	O.U20.46020.7024
brick-red	O.U20.33030.8004	O.U20.35020.8004	O.U20.35030.8004	O.U20.35035.8004	O.U20.40020.8004	O.U20.42020.8004	O.U20.46020.8004
brown	O.U20.33030.8017	O.U20.35020.8017	O.U20.35030.8017	O.U20.35035.8017	O.U20.40020.8017	O.U20.42020.8017	O.U20.46020.8017
black	O.U20.33030.9005	O.U20.35020.9005	O.U20.35030.9005	O.U20.35035.9005	O.U20.40020.9005	O.U20.42020.9005	O.U20.46020.9005
zinc	O.U20.33030.OCYNK	O.U20.35020.OCYNK	O.U120.35030.OCYNK	O.U20.35035.OCYNK	O.U20.40020.OCYNK	O.U2042020.OCYNK	O.U20.46020.OCYNK

BD SUPPORTS LIST
and a compatible list of metal tiles

support: 350/20. 420/20. 460/20 mm (module length/profile height)

- Arcelor Mittal - Halny
- Budmat Sara
- Budmat Wenus
- Budmat Aria
- Budmat Zefir
- Blachcentrum Aga
- Blachotrapez Joker
- Balex Spektrum
- Balex Horyzont
- Blachprofil 2 Alfa Premium
- Blachprofil 2 Alfa Plus
- Blachprofil 2 Alfa Standard
- Blachprofil 2 Beta
- Blachprofil 2 Omega
- Blachotrapez Diament Plus
- Blachotrapez Diament Eco Plus
- Blachotrapez Kingas
- Blachotrapez Kingas Eco Plus
- Blachotrapez Kingas 15
- BlachdomPlus Bona
- BlachdomPlus Perła
- BlachdomPlus Imperia Plus
- BlachdomPlus Korona Plus
- BlokBlach Natura
- BlokBlach Aqua
- BlachStal King
- BlachStal German
- Blachodach Bingo
- Blachodach Bravo
- Blachodach Swing
- Blachodach T wist
- Blachodach Sonata
- Blach-Pol Eska
- Bratex Platino
- Bratex Vilano
- Bratex Platino Eco
- Bratex Hera
- Dispol Stella
- Dispol Luna
- Florian Centrum Klara
- Florian Centrum Kinga
- Florian Centrum Europa
- Florian Centrum Florina
- Finish Profiles Finish
- Finish Profiles Finish max
- Finish Profiles King
- Finish Profiles King Max
- Finish Profiles Cesar
- Glinmet Dona
- Glinmet Monza
- Glinmet Afrodyta
- Kroll Mistral
- Kroll Kroll Plus
- Lindab LPAH
- Lindab LPAL
- Lindab LPAN
- Metalex Fińska
- Metalex Wiktoria
- Metalmix Libra
- Metalmix Proxima
- Metalmix Vega
- Nowax Atena
- Nowax Diana
- Nowax Klaudia
- Nowax Aga
- Nowax Klara
- Nowax Korra
- Polonica Luna
- Polonica Elios
- Polonica Astra
- olonica Polaris
- Plannja Scandic
- Plannja Regent
- Plannja Royal
- Plannja Smart
- Pruszyński Szafir
- Pruszyński Rubin Plus
- Pruszyński Kron
- Regamet Maxima
- Regamet Panel
- Regamet Gloria
- Regamet Olimpia
- Rol-bud Kaja(lub 16mm)
- Ruukki Monterrey Plus
- Ruukki Monterrey Plus FEB-forma
- Ruukki Monterrey Standrad
- Ruukki Monterrey Standard FEB-forma
- Ruukki Monterrey Premium
- Stal-Hart Bella
- Stal-Hart Kinga
- Transblach Kiara
- Włastal Perła
- Włastal T opaz
- Włastal Bursztyn

support: 400/20 mm (module length/profile height)

- Budmat Sara
- Budmat Aria
- KINGSTILE
- Pruszyński Rubin Plus
- Pruszyński Kron
- Aga
- Klaudia
- Blachprofil 2 Alfa Plus
- Blachprofil 2 Omega
- Blachotrapez Kingas
- ARCEROLMITTAL- Halny
- BlachStal German
- Kroll Mistral
- Nowax Diana
- Plannja Scandic
- Rol-bud Kaja
- Stal-Hart Bella
- Metalex Fińska
- Metalmix Libra
- Metalmix Vega
- Transblach Kiara
- Pruszyński Szafir
- Budmat Zefir
- Blachotrapez Diament Eco Plus
- Blachotrapez Kingas 15
- Kroll Kroll Plus
- Lindab LPAN
- Blachprofil 2 Alfa Plus
- Blachprofil 2 Omega
- BlachStal German
- Florian Centrum Florina
- Metalmix Libra
- Metalmix Vega
- Blachodach Sonata
- Blach-Pol Eska
- Stal-Hart Kinga
- Budmax-Metal Eco-Max
- Bratex Hera
- Bratex Platino Eco

support: 350/30 mm (module length/profile height)

- Pruszyński Tur
- Pruszyński Regle
- BlachProfil2 Gamma
- BlachProfil2 Gamma
- Blachprofil 2 Zet
- Blachotrapez Germania Simetric
- Blachotrapez Germania
- BlachStal German
- BlachStal German
- Glinmet Galla
- Glinmet Monza Exclusive
- Glinmet Temida
- Plannja Flex
- Pruszyński Arad Premium
- Pruszyński Optima Arad
- Pruszyński Modus Arad
- Pruszyński Gryf
- BlachProfil2 Gamma
- Blachotrapez Germania
- Glinmet Afrodyta Exclusive
- Ruukki Adamante Premium
- Ruukki Adamante Plus
- Ruukki Adamante Standard
- Vikor Vika

support: 330/30 mm
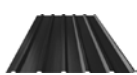
- Budmat Murano
- Budmat Rialto

support: 350/35 mm

- Bartex Scandinavia
- Budmat Venecja
- Rukki Finnera

GRIPS FOR PLAIN ROOF COVERING

The support is made out of hot-dipped galvanised zinc and powder coated steel. Used for mounting the snow fence on gable roofs covered with various roofcoverings. The support roach is mounted to the roof construction.
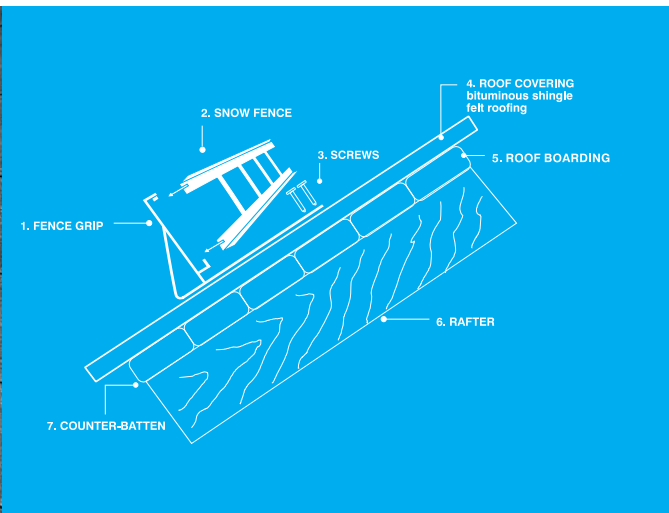
MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	30 mm	4 mm

U GRIP FOR
plain roof coverings

■ PRODUCT CODE (type / colour)

fence grip width 15 cm				fence grip width 20 cm			
brick-red	O.U15.U.8004	brown	O.U15.U.8017	brick-red	O.U20.U.8004	brown	O.U20.U.8017
cherry	O.U15.U.3004	graphite	O.U15.U.7024	cherry	O.U20.U.3004	graphite	O.U20.U.7024
black	O.U15.U.9005	red	O.U15.U.3011	black	O.U20.U.9005	red	O.U20.U.3011
chestnut	O.U15.U.3009	green	O.U15.U.6020	chestnut	O.U20.U.3009	green	O.U20.U.6020
anthracite	O.U15.U.7016	zinc	O.U15.U.OCYNK	anthracite	O.U20.U.7016	zinc	O.U20.U.OCYNK

Labels: 1. FENCE GRIP · 2. SNOW FENCE · 3. SCREWS · 4. ROOF COVERING bituminous shingle felt roofing · 5. ROOF BOARDING · 6. RAFTER · 7. COUNTER-BATTEN
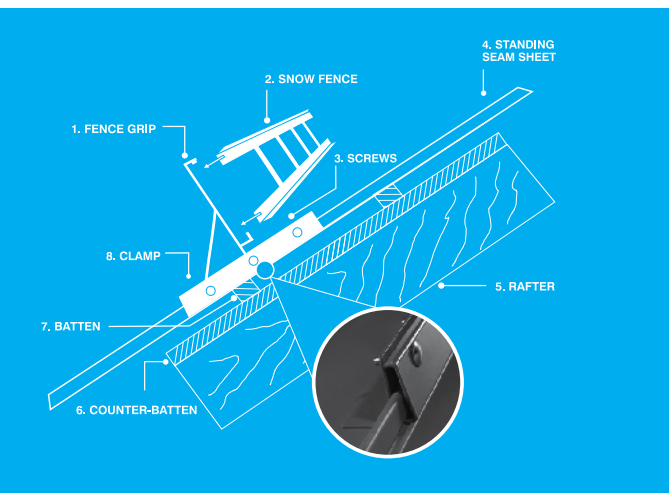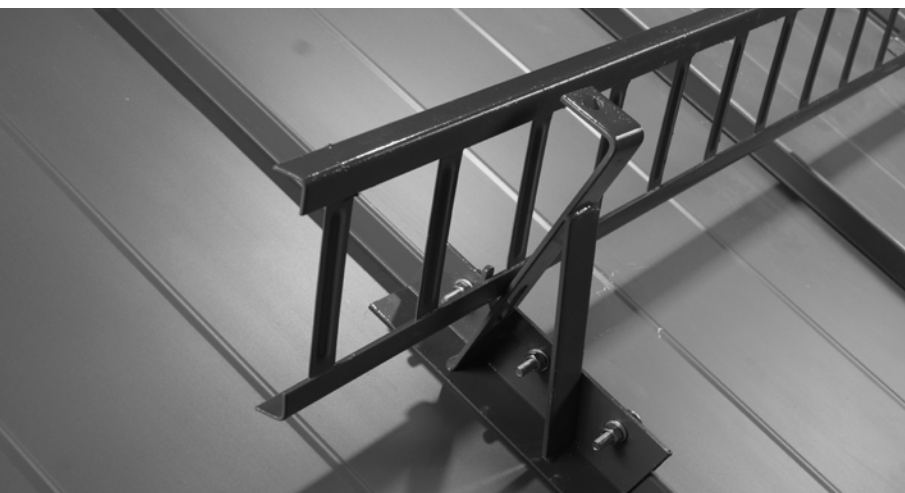
„RABEK" GRIP FOR
standing seam metal roofs

■ PRODUCT CODE fence grip width 15 cm

brick-red	O.U15.RABEK8004	chestnut	O.U15.RABEK.3009
cherry	O.U15.RABEK.3004	green	O.U15.RABEK.6020
black	O.U15.RABEK.9005	zinc	O.U15.RABEK.OCYNK
red	O.U15.RABEK.3011	anthracite	O.U15.RABEK.7016
brown	O.U15.RABEK.8017	graphite	O.U15.RABEK.7024

■ PRODUCT CODE fence grip width 20 cm

brick-red	O.U20.RABEK8004	chestnut	O.U20.RABEK.3009
cherry	O.U20.RABEK.3004	green	O.U20.RABEK.6020
black	O.U20.RABEK.9005	zinc	O.U20.RABEK.OCYNK
red	O.U20.RABEK.3011	anthracite	O.U20.RABEK.7016
brown	O.U20.RABEK.8017	graphite	O.U20.RABEK.7024

Labels: 1. FENCE GRIP · 2. SNOW FENCE · 3. SCREWS · 4. STANDING SEAM SHEET · 5. RAFTER · 6. COUNTER-BATTEN · 7. BATTEN · 8. CLAMP
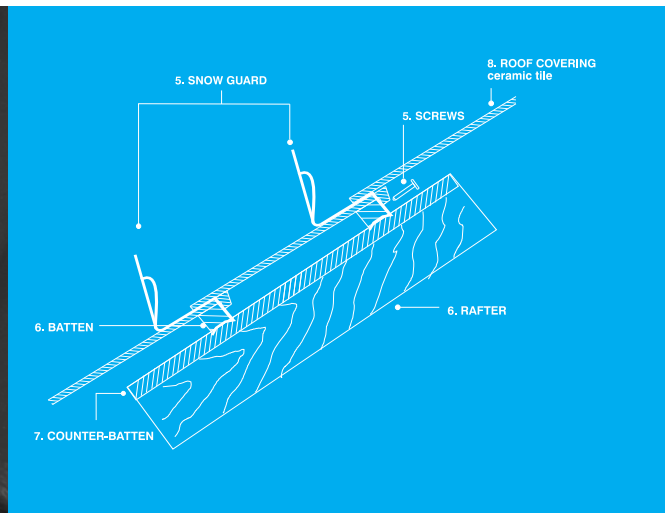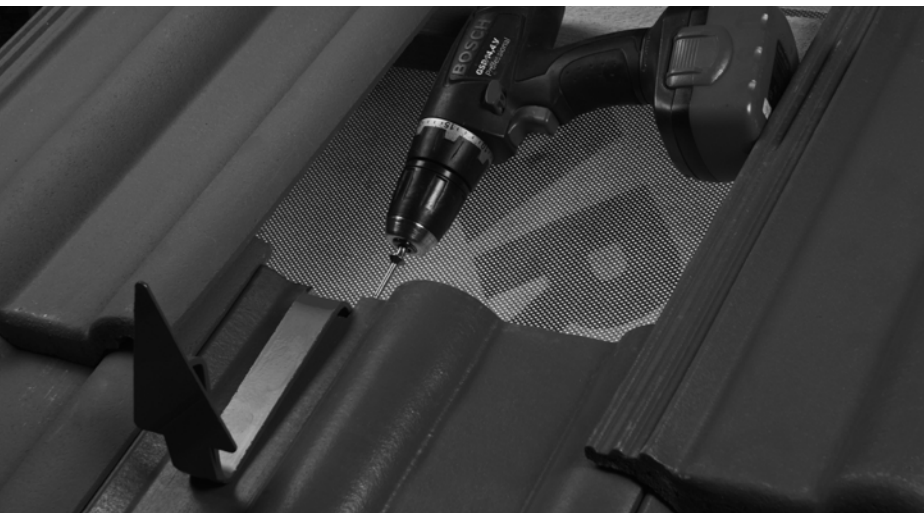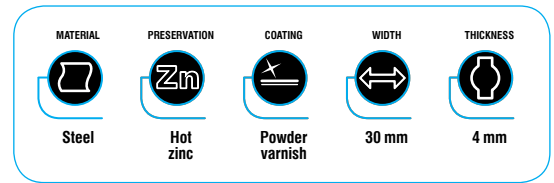
SNOW GUARDS
for point protection on the roof

Made out of hot-dipped galvanised zinc and powder coated steel. Used for breaking large chunks of snow into smaller pieces on pitched roofs. Adapted for mounting on pitched roofs covered with concrete or ceramic tiles. The snow guard is mounted to the roof construction.
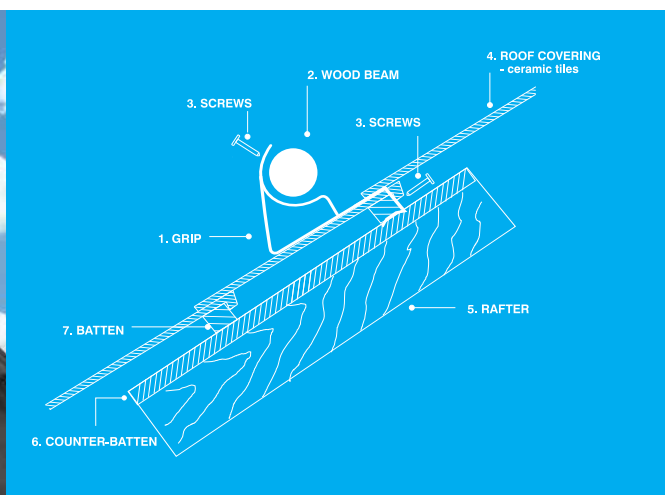

■ PRODUCT CODE- snow guards (type/colour)

	Type „DBDC" for concrete and ceramic tiles	scale tiles	Type „u" for plain roof coverings	Metal sheet with module 350/20	Metal sheet with module 400/20
cherry	O.ROZ.DBDC.3004	O.ROZ.KARP.3004	O.ROZ.U.3004	O.ROZ.BD350.3004	O.ROZ.BD400.3004
chestnut	O.ROZ.DBDC.3009	O.ROZ.KARP.3009	O.ROZ.U.3009	O.ROZ.BD350.3009	O.ROZ.BD400.3009
red	O.ROZ.DBDC.3011	O.ROZ.KARP.3011	O.ROZ.U.3011	O.ROZ.BD350.3011	O.ROZ.BD400.3011
green	O.ROZ.DBDC.6020	O.ROZ.KARP.6020	O.ROZ.U.6020	O.ROZ.BD350.6020	O.ROZ.BD400.6020
athracite	O.ROZ.DBDC.7016	O.ROZ.KARP.7016	O.ROZ.U.7016	O.ROZ.BD350.7016	O.ROZ.BD400.7016
graphite	O.ROZ.DBDC.7024	O.ROZ.KARP.7024	O.ROZ.U.7024	O.ROZ.BD350.7024	O.ROZ.BD400.7024
brick-red	O.ROZ.DBDC.8004	O.ROZ.KARP.8004	O.ROZ.U.8004	O.ROZ.BD350.8004	O.ROZ.BD400.8004
brown	O.ROZ.DBDC.8017	O.ROZ.KARP.8017	O.ROZ.U.8017	O.ROZ.BD350.8017	O.ROZ.BD400.8017
black	O.ROZ.DBDC.9005	O.ROZ.KARP.9005	O.ROZ.U.9005	O.ROZ.BD350.9005	O.ROZ.BD400.9005
zinc	O.ROZ.DBDC.OCYNK	O.ROZ.KARP.OCYNK	O.ROZ.U.OCYNK	O.ROZ.BD350.OCYNK	O.ROZ.BD400.OCYNK

MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	30 mm	4 mm

- 5. SNOW GUARD
- 8. ROOF COVERING ceramic tile
- 5. SCREWS
- 6. BATTEN
- 6. RAFTER
- 7. COUNTER-BATTEN

GRIP FOR WOODEN PIPES
for linear roof protection

They are made of steel sheet subjected to the process of hot zinc galvanising and powder painting. They are used similarly to a snow fence or pipes to protect snow layers on pitched roofs. The LN grip is designed for most roofs covered with concrete or ceramic tiles. Available in RAL colours and zinc.


- 3. SCREWS
- 2. WOOD BEAM
- 4. ROOF COVERING - ceramic tiles
- 3. SCREWS
- 1. GRIP
- 7. BATTEN
- 5. RAFTER
- 6. COUNTER-BATTEN

PIPE SNOW PROTECTION SYSTEM
for horizontal roof protection

Snow protection pipe

The pipe is made out of hot-dipped galvanised zinc and powder coated steel. Together with the support designed for the given roof covering, builds a very efficient protection against snow sliding from the roof. Available length: 150 and 200 cm.

MATERIAL	PRESERVATION	COATING	LENGTH	DIAMETER
Steel	Hot zinc	Vanish powder	150. 200 cm	30mm
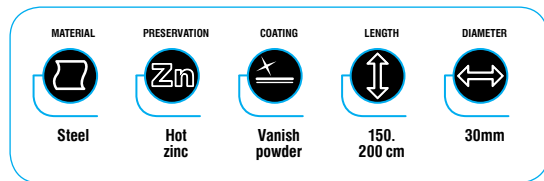
■ PRODUCT CODE - (colour)

	LENGTH: 1.5 m	LENGTH: 2 m
cherry	O.RUR.D150.3004	O.RUR.D200.3004
chestnut	O.RUR.D150.3009	O.RUR.D200.3009
red	O.RUR.D150.3011	O.RUR.D200.3011
green	O.RUR.D150.6020	O.RUR.D200.6020
anthracite	O.RUR.D150.7016	O.RUR.D200.7016
graphite	O.RUR.D150.7024	O.RUR.D200.7024
brick	O.RUR.D150.8004	O.RUR.D200.8004
brown	O.RUR.D150.8017	O.RUR.D200.8017
black	O.RUR.D150.9005	O.RUR.D200.9005
zinc	O.RUR.D150.OCYNK	O.RUR.D200.OCYNK

WHAT IS COMPLETE SNOW PROTECTION MADE UP OF?

2 OR MORE PIPE GRIPS
min.6 pcs when used
for a 3 m-long fence

SNOW PROTECTION PIPE
available length: 200 cm

OTHER PRODUCTS

■ PRODUCT CODE O.RUR.LAC

Pipe connector

It is made of black polyethylene and is used to connect pipes in longer pieces.

■ PRODUCT CODE O.RUR.ZAS
Pipe plug

It is made of black polyethylene and is used to cover the ends of the pipes.

PIPE GRIPS FOR TILES

The support is made out of hot-dipped galvanised zinc and powder coated steel. Used for mounting the pipe on pitched roofs covered with various roofcoverings. The grip is mounted to the roof construction.
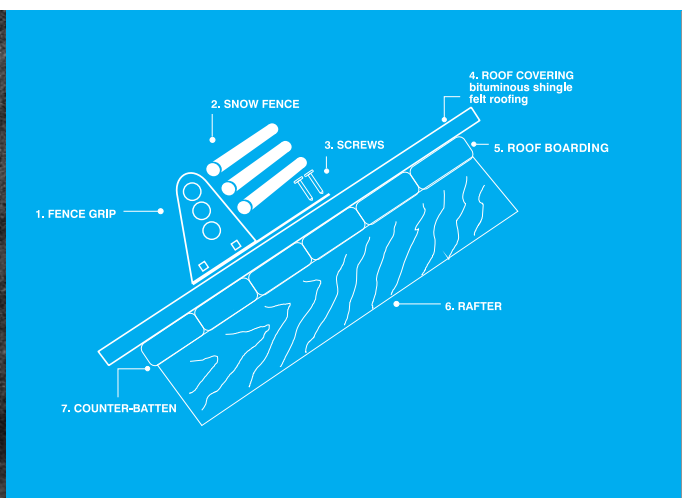
MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	25 mm	3 mm
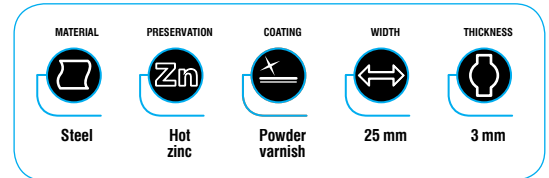
DBDC PIPE GRIP FOR
concrete and ceramic tiles

■ PRODUCT CODE (colour)

brick O.UR(123).DBDC.8004	**red** O.UR(123).DBDC.3011	**chestnut** O.UR(123).DBDC.3009	**brown** O.UR(123).DBDC.8017
cherry O.UR(123).DBDC.3004	**green** O.UR(123).DBDC.6020	**anthracite** O.UR(123).DBDC.7016	**graphite** O.UR(123).DBDC.7024
black O.UR(123).DBDC.9005	**zinc** O.UR(123).DBDC.OCYNK		

2. PIPES
4. ROOF COVERING - ceramic tiles
3. SCREWS
1. PIPE GRIP
7. BATTEN
5. ADDITIONAL BATTEN
6. RAFTER
6. COUNTER-BATTEN

QUICK INSTALLATION
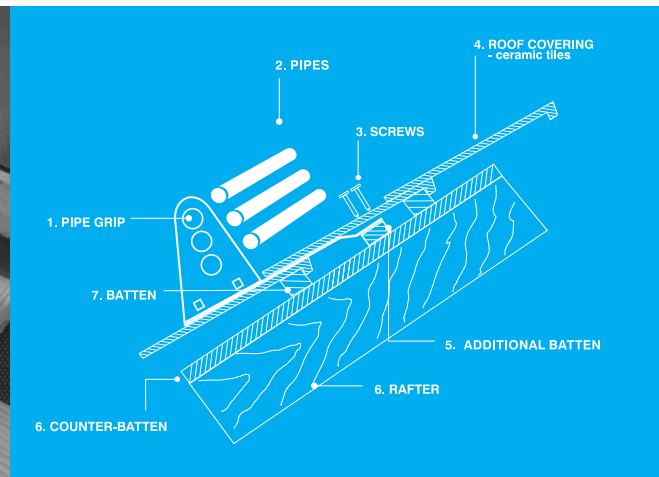
DZLN1 UNIVERSAL PIPE GRIP FOR
concrete, ceramic and scale tiles

■ PRODUCT CODE (colour)

brick O.UR(123).DZLN1.8004	**red** O.UR(123).DZLN1.3011	**chestnut** O.UR(123).DZLN1.3009	**brown** O.UR(123).DZLN1.8017
cherry O.UR(123).DZLN1.3004	**green** O.UR(123).DZLN1.6020	**anthracite** O.UR(123).DZLN1.7016	**graphite** O.UR(123).DZLN1.7024
black O.UR(123).DZLN1.9005	**zinc** O.UR(123).DZLN1.OCYNK		

2. PIPES
4. ROOF COVERING - ceramic tiles
3. SCREWS
1. PIPE GRIP
7. BATTEN
6. RAFTER
6. COUNTER-BATTEN
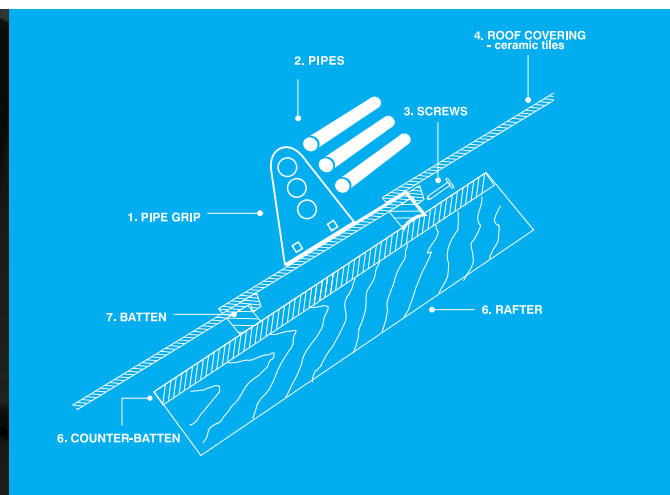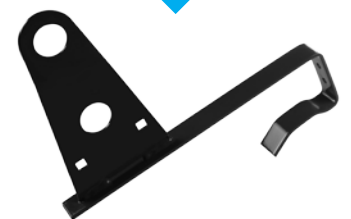
KARP-U GRIP FOR
scale tiles

■ **PRODUCT CODE** (colour)

brick	O.UR(123).KARPU.8004	**red** O.UR(123).KARPU.3011	**chestnut** O.UR(123).KARPU.3009	**brown** O.UR(123).KARPU.8017
cherry	O.UR(123).KARPU.3004	**green** O.UR(123).KARPU.6020	**anthracite** O.UR(123).KARPU.7016	**graphite** O.UR(123).KARPU.7024
black	O.UR(123).KARPU.9005	**zinc** O.UR(123).KARPU.OCYNK		

Diagram labels:
- 4. ROOF COVERING - ceramic tiles
- 2. SNOW FENCE
- 3. SCREWS
- 1. FENCE GRIP
- 8. BATTEN
- 6. RAFTER
- 7. COUNTER-BATTEN
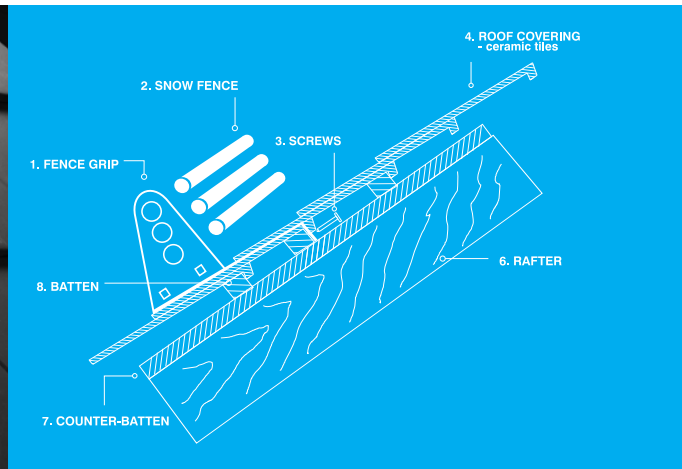
PIPE GRIPS FOR PLAIN ROOFS

The support is made out of hot-dipped galvanised zinc and powder coated steel. Used for mounting the pipe on pitched roofs covered with various roofcoverings.The grip is mounted to the roof construction.
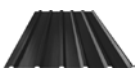
U GRIP FOR
plain roof coverings

MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Vanis powder	30 mm	4 mm

■ **PRODUCT CODE** (colour)

brick	O.UR(123).U.8004	**red**	O.UR(123).U.3011
cherry	O.UR(123).U.3004	**green**	O.UR(123).U.6020
black	O.UR(123).U.9005	**zinc**	O.UR(123).U.OCYNK
chestnut	O.UR(123).U.3009	**brown**	O.UR(123).U.8017
anthracite	O.UR(123).U.7016	**graphite**	O.UR(123).U.7024

Diagram labels:
- 4. ROOF COVERING bituminous shingle felt roofing
- 2. SNOW FENCE
- 3. SCREWS
- 5. ROOF BOARDING
- 1. FENCE GRIP
- 6. RAFTER
- 7. COUNTER-BATTEN

„RABEK" GRIP FOR
standing seam metal roofs

PRODUCT CODE (colour)

brick	O.UR(123).RABEK.8004	**red**	O.UR(123).RABEK.3011	**chestnut**	O.UR(123).RABEK.3009	**brown**	O.UR(123).RABEK.8017
cherry	O.UR(123).RABEK.3004	**green**	O.UR(123).RABEK.6020	**anthracite**	O.UR(123).RABEK.7016	**graphite**	O.UR(123).RABEK.7024
black	O.UR(123).RABEK.9005	**zinc**	O.UR(123).RABEK.OCYNK				

1. FENCE GRIP
2. SNOW PIPE
3. STANDING SEAM SHEET
4. RAFTER
5. COUNTER-BATTEN
6. BATTEN
7. CLAMP
8. SCREWS
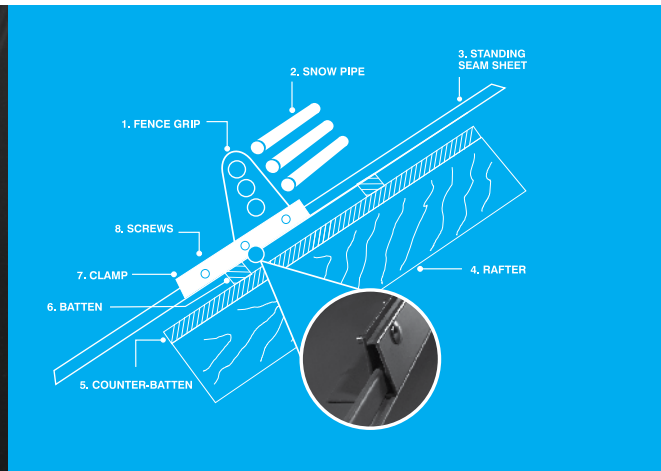
PIPE GRIPS FOR METAL TILES

The support is made out of hot-dipped galvanised zinc and powder coated steel. Used for installing the snow protection pipe on metal sheet tile-covered gable roofs. The pipe grip is mounted directly to the roof construction.

BD PIPE GRIP FOR
metal sheet tiles

MATERIAL	PRESERVATION	COATING	WIDTH	THICKNESS
Steel	Hot zinc	Powder varnish	30 mm	4 mm

■ **PRODUCT CODE** (module / colour)

	MODULE 330/30	MODULE 350/20	MODULE 350/30	MODULE 350/35	MODULE 400/20	BP 370/25
cherry	O.UR(123).33030.3004*	O.UR(123).35020.3004	O.UR(123).35030.3004	O.UR(123).35035.3004	O.UR(123).37025.3004	O.UR(123).37025.3004
chestnut	O.UR(123).33030.3009*	O.UR(123).35020.3009	O.UR(123).35030.3009*	O.UR(123).35035.3009	O.UR(123).37025.3009	O.UR(123).37025.3009
red	O.UR(123).33030.3011	O.UR(123).35020.3011	O.UR(123).35030.3011*	O.UR(123).35035.3011	O.UR(123).37025.3011	O.UR(123).37025.3011
green	O.UR(123).33030.6020*	O.UR(123).35020.6020	O.UR(123).35030.6020*	O.UR(123).35035.6020	O.UR(123).37025.6020	O.UR(123).37025.6020
anthracite	O.UR(123).33030.7016*	O.UR(123).35020.7016	O.UR(123).35030.7016*	O.UR(123).35035.7016	O.UR(123).37025.7016	O.UR(123).37025.7016
graphite	O.UR(123).33030.7024	O.UR(123).35020.7024	O.UR(123).35030.7024	O.UR(123).35035.7024	O.UR(123).37025.7024	O.UR(123).37025.7024
brick	O.UR(123).33030.8004	O.UR(123).35020.8004	O.UR(123).35030.8004	O.UR(123).35035.8004	O.UR(123).37025.8004	O.UR(123).37025.8004
brown	O.UR(123).33030.8017	O.UR(123).35020.8017	O.UR(123).35030.8017	O.UR(123).35035.8017	O.UR(123).37025.8017	O.UR(123).37025.8017
black	O.UR(123).33030.9005	O.UR(123).35020.9005	O.UR(123).35030.9005	O.UR(123).35035.9005	O.UR(123).37025.9005	O.UR(123).37025.9005
zinc	O.UR(123).33030.OCYNK	O.UR(123).35020.OCYNK	O.UR(123).35030.OCYNK	O.UR(123).35035.OCYNK	O.UR(123).37025.OCYNK	O.UR(123).37025.OCYNK

* on special order

1. PIPE GRIP
2. PIPES
3. SCREWS
4. ROOF COVERING - metal tiles
5. RAFTER
6. COUNTER-BATTEN
7. BATTEN
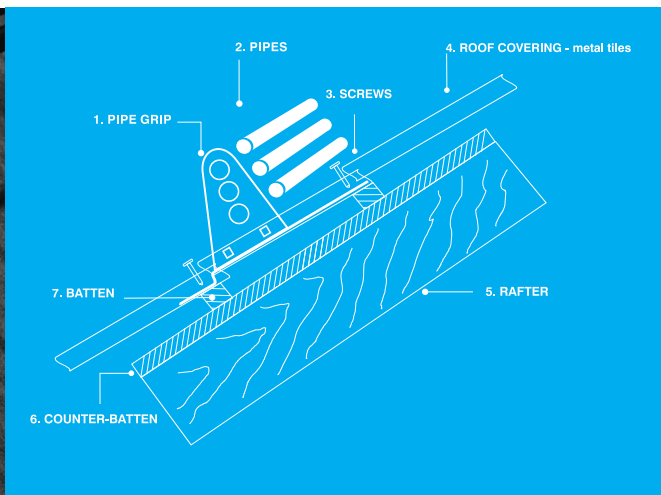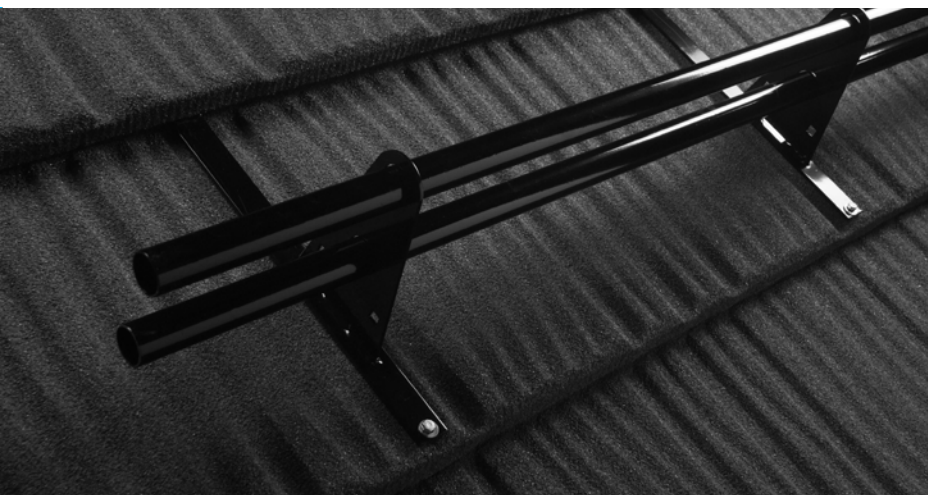
Effective roof ventilation

While roof vents all perform similarly, their effectiveness may vary depending on the roof. Ventilation provides fresh air to your home and helps take the old, stale air out. It allows your home to "breathe." Good attic ventilation protects your home from damage by eliminating excess moisture. However, homes come in all different shapes and sizes, so it's important to know which ventilation system will be adequate. Keep the roof's pitch in mind when deciding as well. Lack of proper roof ventilation can cause many roofing problems for homeowners, such as decreasing the life of your roof and its decking, increasing the risk of condensation that causes mould and mildew and much more.

Other products

Roof expanse vents
meant for ventilating and removal of moisture from uninhabited attics, roofs construction and insulation.

Aerial passthroughs
enabling a tight upright passage of masts, cables etc. through the roof plane.

Solar passthroughs
enabling a tight passage of small diameter pipes and cables for connecting devices such as solar collectors or photovoltaic modules.

Roof vent accessories
flexible connection tubes or a range of pipe reductions ease the connection of a roof vent to the ventilation line.

Roof vent construction

BUILT-IN SPIRIT-LEVEL

MECHANICAL VENT

CAP-END
available with motor, rotating tulip, or ring construction

VENT CAP
in the uninsulated or insulated version

POMMEL
for regulation of the caps tilt angle

CONDENSATE OUTLET
12 holes leading the condensate out from the vent

BASE
with a passthrough suitable for all roof coverings

CONNECTION TUBE
available in diameters DN 110 or 150

CRUCIAL PICTOGRAMS

material

diameter

Dimensionn

III.

ROOF VENTILATION

IN THIS SECTION

roof ventilation
aerial and solar passthroughs
roof expanse vents
roof vent accessories

WiroVent PLUS
Roof vents

The WiroVent Plus system is an improved version of the basic WiroVent model, enriched with a condensate drain function. The diameter of the roof vent is DN 125. It comes in a non-insulated/insulated version as well as a version with a mechanical ventilator. The high-quality butyl seal permanently fills the joints when mounting the plate base. The palette of colours for the ventilator allows for an aesthetic fitting to the roofing materials. The special ring design ensures effective ventilation, even at the minimum wind speed. The roof vent is designed for roofs with a slope from 5º - 40º.

AVAILABLE COLOURS

brick RAL 8004	**brown** RAL 8017	**graphite** RAL 7024	**green** RAL 6020	**copper** RAL 8003
red RAL 3009	**brown** RAL 8019	**anthracite** RAL 7021	**grey** RAL 7046	**black** RAL 9005

MATERIAL	TILT ANGLE REGULATION	HEIGHT	DIAMETER
Polyprophylene	5-45°	500 mm	DN 125

ROOF VENT
with condensate drain

ROOF VENT
insulated

ROOF VENT
with fan and condensate drain

ROOF PASSAGE FOR ROOF VENTS

An integral part of the roof vent is a passage/crossing that should be adapted to the type of roofing (_____) to be fixed. Passages/crossings are adapted to bituminous, flat, roofing, ceramic and concrete tiles. A full ____ crossings to roofing tiles and other tiles is available in a separate table.

| metal tile | bituminous covers, flat plate | concrete and ceramic tile | non-existent bituminous covers | universal passage to roof tiles |

COMPLEMENTARY ACCESSORIES FOR ROO____TS

X PLUS - connecting pipe with reduction or ventilation grille

It is _____ roof vents of the WiroVent Pro and WiroVent Plus series with ventilation duct___ _ product _____ flexibility and is used to connect WiroVent roof vents wi_____ sewage ducts.

MA____	DIAMETER	LENGTH
PP, PVC	DN 125, 150	600 mm

___R CONNECTI____
___ents WiroVent Plu___

_____ It is used to connect the _____ or vents WiroVent Plus with the _____ roduct has a clamping nut that allow_____ mbly and ensures permanent installation _____ ements.

WATER CONDENSER

The task is to capture and remove rest of the condensate formed in conditions of high humidity. It allows redirection of excessive condensate to the remainder of the condensat___ which the evapouration process takes place. With high condensate it is possible to connect the tub_____ t, allowing it to be drained outside. Engineering construction matched to the WiroVent and _____ ures quick and trouble-free installation of the product. The product is resistant to_____ the aging process.

SEALING SET

The WiroVent sealing set, which is mounted in the place of passage of the ventilation chimney through the roof foil, protects against penetration of water or condensate. Available only in black RAL 9005. Passages are used in the WiroVent system where the passage through the roofing foil of the roof vent is vertical in relation to the roof slope.
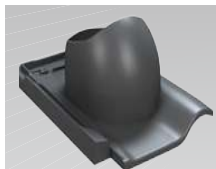
WiroVent
Roof vents

The WireVent system are ventilation tiles which have adjustable slope angle available in 2 diamaters: DN 110 mm and DN 150 mm. They are available in insulated and non-insulated versions, which prevents the condensation of water vapour in the ventilation duct as well as in the mechanical fan. There is also a turbo roof vent available with rotating base which supports the ventilation flow. A high-quality butyl seal permanently fills the connection when mounting the base to the plate. The colour palette of the ventilator allows for an aesthetic adjustment to the roofing materials. A special ring-structure construction ensures effective ventilation even by the minimal wind speed. Slope angle to roof vents with the diameter DN 110 is from 5 to 45 degrees, and for the roof vents with DN 150 the regulation is possible in the scope between 15 and 45 degrees.

AVAILABLE COLOURS

brick RAL 8004	**brown** RAL 8017	**graphite** RAL 7024	**green** RAL 6020	**copper** RAL 8003
red RAL 3009	**brown** RAL 8019	**anthracite** RAL 7021	**grey** RAL 7046	**black** RAL 9005

MATERIAL	TILT ANGLE REGULATION	TURBO HEIGHT	HEIGHT	DIAMETER
Polypropylene	5-45° (DN 110) 15-45° (DN 150)	570 mm	500 mm	DN 110 or 150

ROOF VENT
uninsulated

ROOF VENT
insulated

ROOF VENT
with fan

ROOF VENT
turbo

PAROTEC®

ROOF PASSAGE FOR ROOF VENTS

An integral part of the roof vent is a passage/crossing that should be adapted to the type of roofing that is to be fixed. Passages/crossings are adapted to bituminous, flat, roofing, ceramic and concrete tiles. A full list of crossings to roofing tiles is available in a separate table.
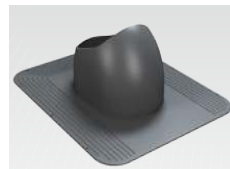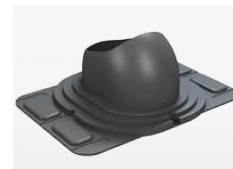
metal tile

bituminous covers,
flat plate

concrete and
ceramic tile

non-existent
bituminous covers

universal passage
to roof tiles

ACCESSORIES

CONNECTING PIPE

The product is characterised by high flexibility and is used to connect roof vents of the series with ventilation or sewage ducts. The tube is available in black (RAL 9005).

DIAMETER	LENGTH
DN 110	420 mm
DN 150	600 mm

SEALING SET

The WiroVent sealing set, which is mounted in the place of passage of the ventilation chimney through the roof foil, protects against penetration of water or condensate. Available only in black RAL 9005. Passages are used in the WiroVent system where the passage through the roofing foil of the roof vent is vertical in relation to the roof slope.

Additional
assortment

In addition to roof vents, a wide range of products supplementing the ventilation system is available. For instance expanse vents for unused attics, chimney caps, useful aerial passthroughs for antenna masts or sun collector pipes. Passages and vents are adapted for bituminous, flat roofing, roofing tiles, ceramic and concrete tiles. A full list of passages to roofing tiles and other tiles is available in a separate table.

ROOF EXPANSE VENT

Made for ventilating and removal of moisture from attics, the roof envelope and insulation. It decreases the temperature of attics in the summer.

MATERIAL	DIAMETER	HEIGHT
Polyprophylene	DN 150	80 mm

concrete tile or ceramic

metal tile

universal passage to roof tiles metal tile

non-existent bituminous covers

bituminous roofing flat sheet

AERIAL PASSTHROUGH

Used for putting aerials and cables through the roof plane. The socket enables the adjustment of the hole to the mast's diameter from 19 to 90 mm.

MATERIAL	DIAMETER	TILT ANGLE REGULATION
Polyprophylene	DN 19, 25, 38, 50. 60. 75 or 90	5-45°

concrete tile or ceramic

metal tile

universal passage to roof tiles metal tile

non-existent bituminous covers

bituminous roofing flat sheet

SOLAR PASSTHROUGH

Used for putting solar tubings through the roof plane. The product is suitable for single and double tubings.

MATERIAL
Polyprophylene

concrete tile or ceramic

metal tile

universal passage to roof tiles metal tile

non-existent bituminous covers

bituminous roofing flat sheet

SEWAGE VENT

A complete sewer vent with a profiled roof passage. It is used for venting sewage systems.

MATERIAL
Polyprophylene

concrete tile or ceramic

metal tile

universal passage to roof tiles metal tile

non-existent bituminous covers

bituminous roofing flat sheet

CHIMNEY CAP ALFAWENT

The caps are suitable for one- or multi-row chimneys with gravitational ventilation lines. The caps can be mounted on the chimney itself or directly on the ventilation line. The ring construction of the cap enables an effective draught in the chimney.

MATERIAL	DIAMETER	HEIGHT	AVAILABLE COLOURS
Polyprophylene	DN 150	410 mm	RAL 8017 brown RAL 7024 graphite

PLANE PP ROOF VENTS AND GRAVITATIONAL VENTS

A whole range of well-designed roof vents that enable the use of wind to increase the circulation. Mounted on the endings of vent and sewage systems. The given diameter is the inside Dimensionn meant for mounting on the bare-end of a pipe.

MATERIAL	ROOF VENT DIAMETER	ROOF VENT HEIGHT	GRAVITATIONAL VENT DIAMETER	GRAVITATIONAL VENT HEIGHT	AVAILABLE COLOURS
Polyprophylene	DN 50. 75 or 110	143, 249, 303, 356 mm	DN 50. 75, 110. 160. 200	187, 203, 306, 338, 420 mm	RAL 8017 brown RAL 7046 grey

ROOF VENTS FOR SAUDABLE ROOFING PAPER

Roof vents made for airing of thermo-insulation and leading away of water vapour that accumulates under an airtight roof covering. A removable cap simplifies the mounting. The rosette, which is part of the set, secures the vent from penetrating rain and gives the vent an aesthetic look.
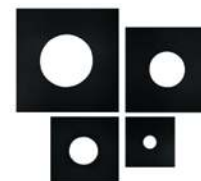
MATERIAL	DIAMETER	HEIGHT	AVAILABLE COLOURS
Polyprophylene	DN 75, 110	275, 355 mm	RAL 9005 black

FLANGE TYPE FLASHINGS

Flashing flanges made out of high-quality EPDM rubber for cable and pipe passages which are very resistant against the ageing processes. The cable flanges have an additional template covered with acrylic adhesive for easier mounting on the surfaces of membranes, roof foils, vapour barriers and planking. When using the version of flanges without the additional adhesive, it is advised to secure the flange with izotec tape.

MATERIAL	PIPE SIZE	CABLE SIZE
india-rubber acryl	15-30/50-90/ 95-120/120-170 170-220 mm	1x2/1x9/2x2/ 3x2 mm

ACCESSORIES

The flat bases are ventilation roof bases which can be connected with any vent of diameters Ø75 or Ø110. Enables an easy and tight mounting on bitumen covered flat and gable roofs.

The connection tube is a flexible pipe for connecting roof vents with the ventilation pipes.

The pipe reduction necessary among others for connecting the different diameter roof vents.
There is no way to connect the reduction directly to the vent. The product is only compatible with the producer's connection tubes. Available diameters (vent diameter/pipe diameter): 110/110 mm, 110/100 mm, 150/160 mm, 150/110 mm.
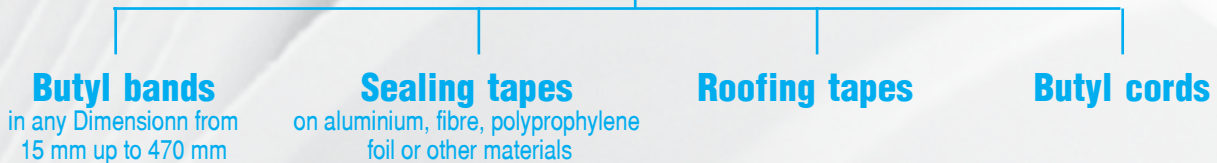
BUTYL ASSORTMENT
BUTYL-BASED ADHESIVE SYSTEMS

BUTYL PULP

Butyl bands
in any Dimensionn from
15 mm up to 470 mm

Sealing tapes
on aluminium, fibre, polyprophylene
foil or other materials

Roofing tapes

Butyl cords

BUTYL CHARACTERISTICS

Butyl pulp is very resistant to aging processes, it is much desired in many industry branches. It does not expose to corrosion or mould and does not contain any solvants. The seals are tightened almost instantly and the adhesive keeps its stickiness and elasticty, does not harden or change its volume like bitumen pulps, which in time crumble and unseal the connection. Butyl adhesives do not require the use of additional tools or activating chemicals. Butyl can be used on a variety of materials with different porosity, without the need to use additional primers or other adhesives. Thanks to its constant elasticity, butyl adhesive performs well as vibration absorber or noise reductor in, for example, drivers' cabins.

Butyl-based tapes find their use in many branches of the industry e.g. roofing, construction and motorisation. Butyl's flexibility, adhesive strength and resistance to weather conditions is the most popular solution for sealing, used in the building construction sector for binding roofing foils and membranes, tightening roof and wall windows, the production of chimney flashings, expansion joints and as a sealant for sewer pipes, electrical instalations and repair of cracks.

The raw material butyl pulp is formed with industry presses until it takes the desired form of e.g. butyl tapes, of various widths brought to a carrier material (aluminium, polyprophylene, fibre), profiled tapes, butyl cords with a round intersection, or felt mats with the application of adhesive. Butyl can also be used without a carrier material as a runny sealing pulp.

PAROTEC®

BUTYL PRODUCTS

The newest trends in the building industry and high demand have caused us to expand our offer of tapes, bands and cords made out of highest quality butyl. We are capable of supplying products to fulfil individual orders.

● Fibre-based sealing tapes

Self-adhesive butyl-based tape covered with special technical fibre intended to make elastic sealings in places with higher strains and/or higher moisture.

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● Roofing tapes

300 mm-wide bands, adhesive on one side due to a mix of synthetic india rubber. The bands are applied onto aluminium or lead bands in a variety of RAL colours and rolled into disks.

● Butyl bands

300 mm-wide bands, adhesive on both sides due to a mix of adhesive-based synthetic india rubber. The bands are applied onto foil or silicone based paper and rolled into disks.

● Butyl cords*

A butyl cord is a band of a cube-shaped gauge, or in U, L profiles or others if needed. Highest quality synthetic india rubber mix and fullants. The cords are applied onto foil or silicone-based paper and rolled into disks.

Purpose: Sealing of joints in the building contruction branch - tightening joints of ventilation and air conditioning ducts - sealing all connections which are exposed to weather conditionns (e.g. roof or steel constructions). - window production - tightening of profiles.

*Product available on special order.

Roof windows

To our clients we offer only the leading brands of roof windows, loft ladders and window accessories that meet the highest standards of the industry, either for pitched roofs or flat roofs. We ensure a very efficient logistics system. Thanks to our high stock volume, we can guarantee a quick completion of your order. Our customer service consultants will give you all the required information about our products and advise on the most suitable solution. All Information about the terms of cooperation can be found in a separate price list that will be sent to you via e-mail at your request.

fot. VELUX

Save energy

Energy renovation and future buildings are part of the solution to the world's climate and energy challenges.

With the Paris Agreement, adopted by 195 countries at the COP21 conference in Paris in December 2015, the world committed itself to containing climate change. As buildings account for almost 40% of energy used and 37% of carbon emissions in Europe, a greater focus on energy savings in buildings could play a pivotal role in reducing the impact of modern living. Thus, the time is right for a paradigm shift in the way we design and organise the buildings we live, work and play in.

„Energy efficiency in buildings represents a huge, untapped potential, not only in terms of using the world's resources in a smarter way, but also in terms of boosting economic activity, growth and jobs."

90%	**75%**	**40%**
of today's buildings will still be in use in 2050	of existing buildings are not energy efficient	of Europe's energy is used in buildings

„Another major benefit of smarter energy use in buildings is the opportunity to reshape the buildings we spend almost 90% of our time in, so that they nourish our health and well-being"

Jïrgen Tang-Jensen, CEO, the VELUX Group

text and photos: velux.com

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