

STEEL SHEET ROOFING CATALOGUE

BALEX METAL ROOFING SHEETS

Balex Metal steel roofing stands out in many ways. Modern and timeless design, anti-corrosion coatings made of the best quality steel. Innovations in the field of assembly and system flashings are just some of the advantages of Balex Metal roofing.



The best quality steel



Anti-corrosion coatings
with a long-term guarantee



Dedicated flashing system



Individual flashings



Roof and guttering accessories



Roof safety elements




Modern design

WARRANTY TERMS BALEX METAL

WARRANTY					
coating	basic		extended		permissible corrosiveness of the external environment
	technical	aesthetic	technical	aesthetic	
SP Polyester gloss 25 µm	 10 YEARS	 5 YEARS	 25 YEARS	 5 YEARS	C3
SP Polyester Mat 35 µm	 15 YEARS	 5 YEARS	 35 YEARS	 10 YEARS	C4
CESAR 55 Semi-Mat	 20 YEARS	 10 YEARS	 55 YEARS	 20 YEARS	C5



WARRANTY
BALEX METAL



Moisture resistance
according to ISO 6270

Highest discoloration resistance
RUV4 (ISO 4892-3)

Top-quality Belgian steel

Strong metallic base

CESAR 55 SEMI-MAT

Exceptional durability

The 55 micron coating is a combination of polyurethane and polyamide, to protect the sheet metal roof. The extremely durable CESAR 55 coating keeps the sheet metal roofing safe for many years.

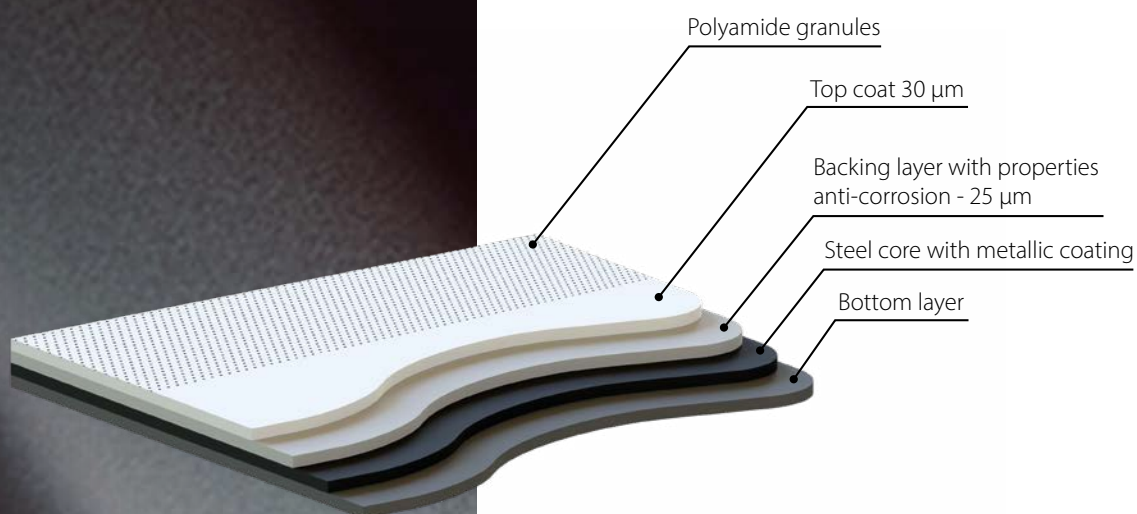
Durability ★★★★★ / 55 µm

Maximum corrosion resistance ★★★★★ / up to C5

Finish — semi-mat

Technical warranty**: 55 years

Aesthetic warranty**: 20 years



* See the colour chart on p. 56

** When purchasing the entire system - see warranty conditions at www.balex.eu

SP POLYESTER MAT 35 µm

High aesthetic value

Mat coatings add an exquisite touch of refinement to every roof. Designers seem to have fallen in love with shades of graphite and grey, and they dominate prestigious home brochures.

* See the colour chart on p. 56

** When purchasing the entire system - see warranty conditions at www.balex.eu

Durability ★★★★★☆ / 35 µm

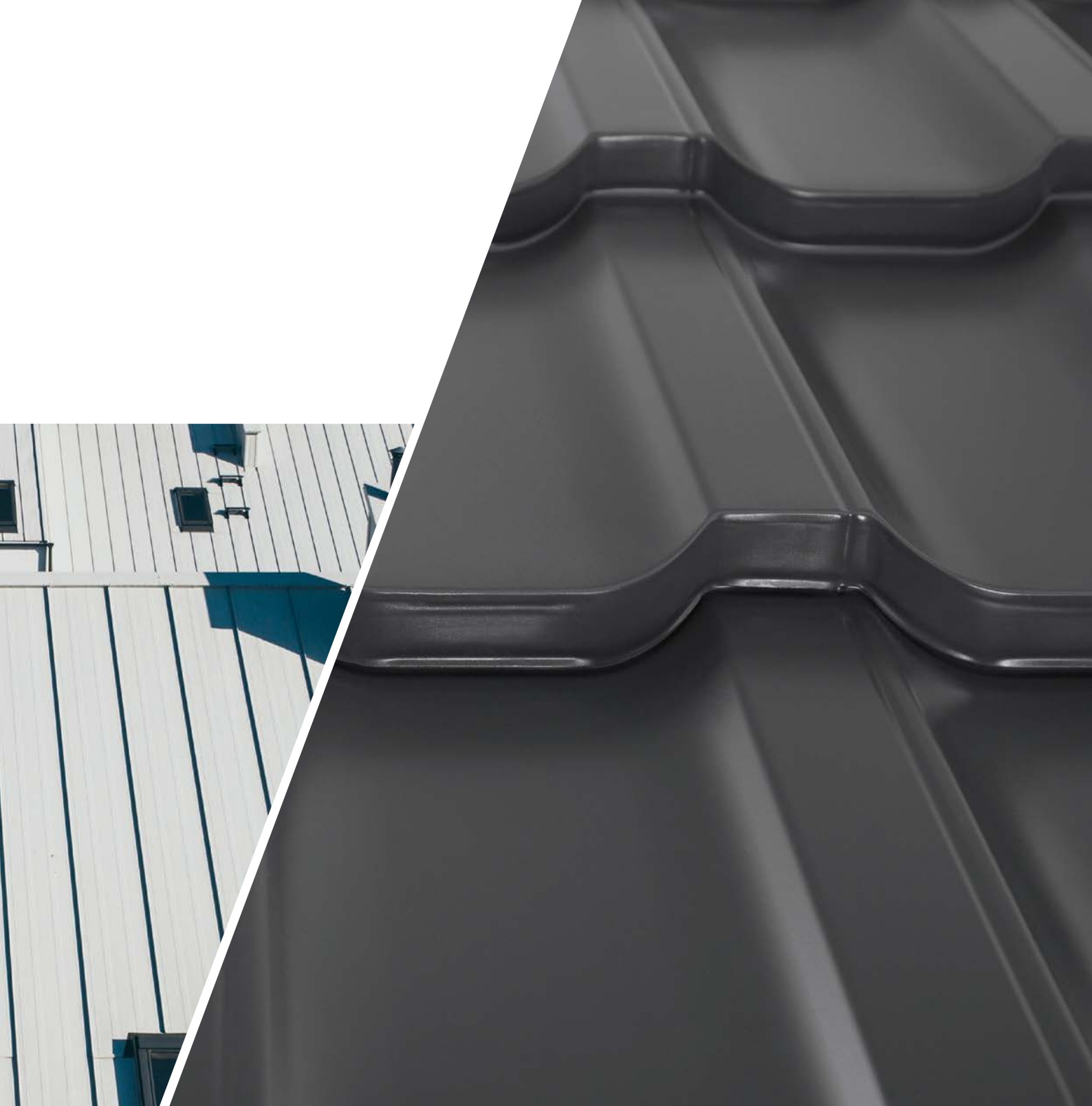
Corrosion resistance ★★★★★☆ / do C4

Finish — mat

Technical warranty**: 35 years

Aesthetic warranty**: 15 years





SP POLYESTER GLOSS 25 µm

Cost efficient

A highly regarded coating, available in a wide selection of colours. It remains popular, with the best durability to price ratio.

* See the colour chart on p. 56

** When purchasing the entire system - see warranty conditions at www.balex.eu

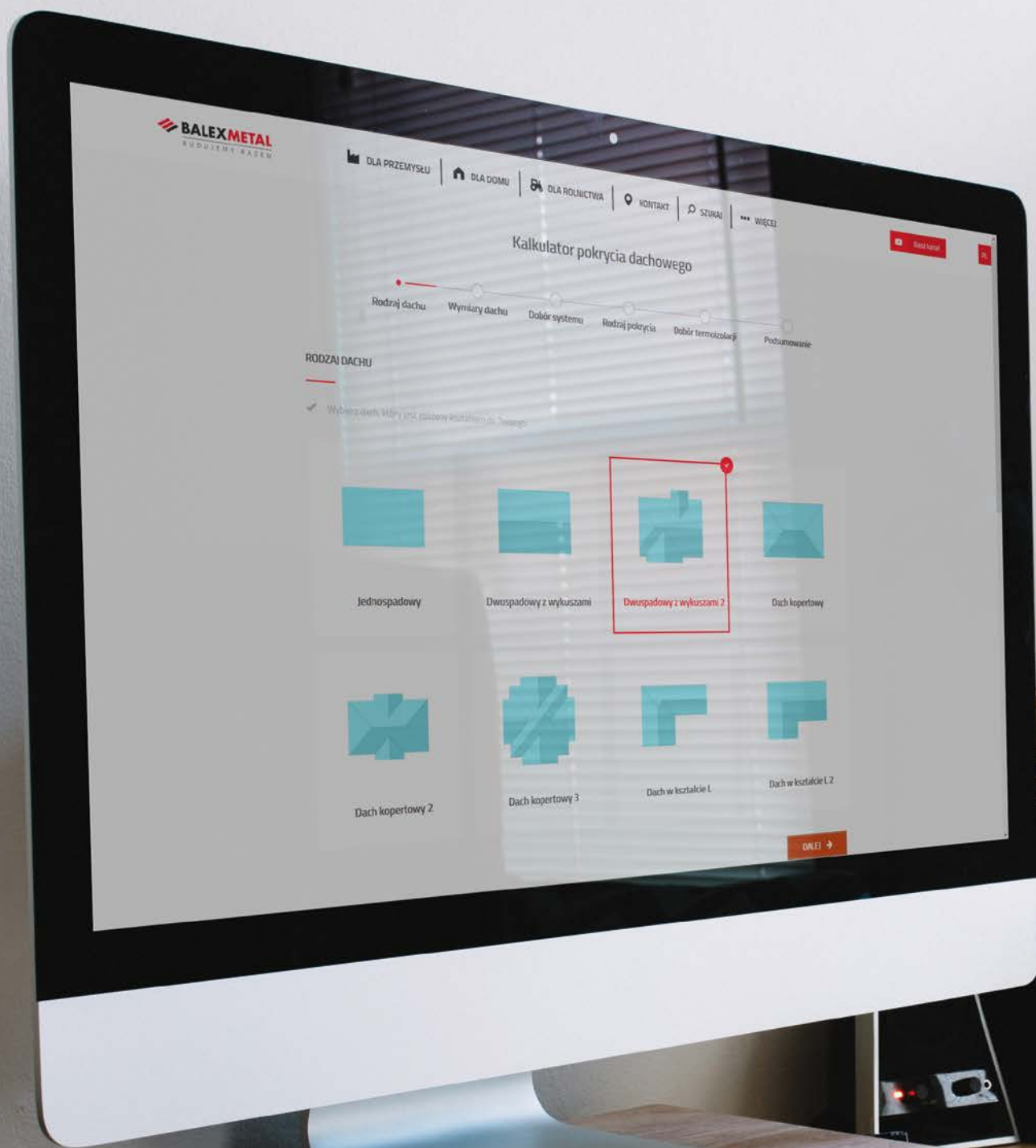
Durability ★★★★★ / 25 µm

Corrosion resistance ★★★★★ / C3

Finish — gloss

Technical warranty**: 25 years

Aesthetic warranty**: 10 years



JUST 3 MINUTES FOR ALL YOUR ROOFING MATERIALS

Sloping Roof Configurator

On the balex.eu website we offer you a quick and easy tool for calculating how much material you need to build a roof, from the cladding type to the fasteners.

You do not have to be a professional roofer to use it – simply input the basic building specifications and download the design in 3 minutes.

The configuration wizard can generate:

- a dimensioned drawing of the roof design
- a list of required roofing materials and specifications, including the cladding, membrane, number of fasteners and essential accessories
- thermal insulation area, for one or two layers

The configuration wizard app is free and requires no local installation. You can use it online.



SLOPING
ROOF
CONFIGURATOR



ELEGANT 2.0 SYSTEM

A MODERN TAKE ON TRADITION

Version 2.0 of the upright seam panel is a roofing material which can boast of an almost unparalleled, timeless look and feel. The Elegant panel has been designed as an iconic classic that will never fade away but continue to inspire the architects.

Timeless appearance

ELEGANT 2.0 is a universal application for modern, traditional and historic buildings.

Durable roof

It is a solidly made coating resistant to deformation and perfectly protected with an anti-corrosion coating.

Quick and easy assembly

3 steps are enough. Place on, close, align and it's ready!

Durability

The special profiling of the panels ensures high stiffness and resistance to thermal deformation.



MORE
ABOUT
ELEGANT 2.0

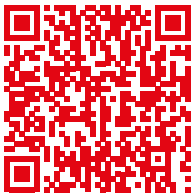
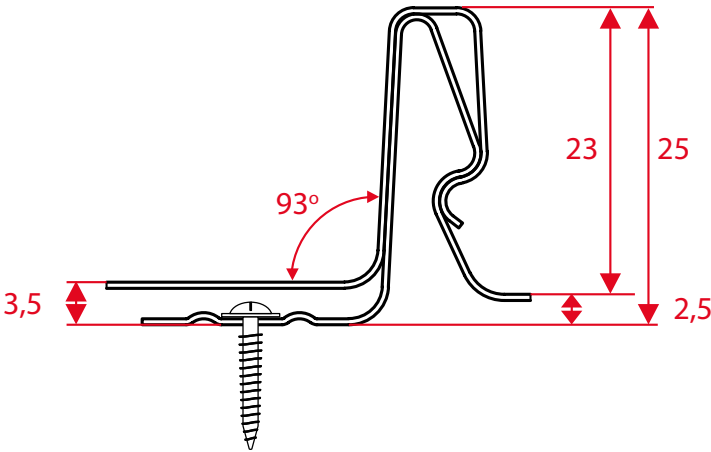


PROJECT
OF USING
THE ELEGANT 2.0
SEAM PANEL

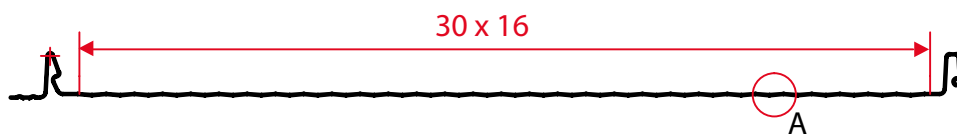
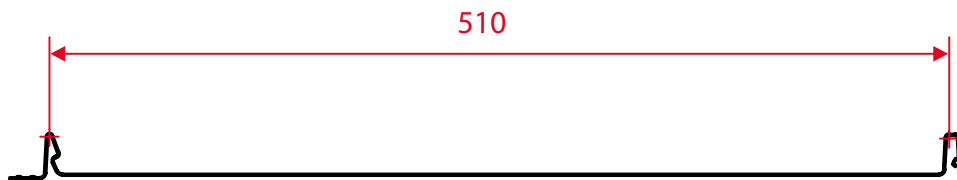
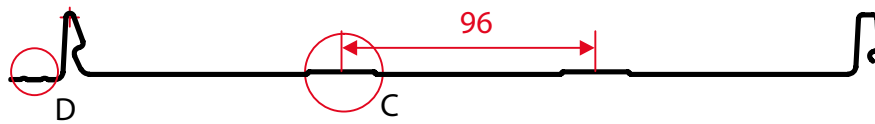
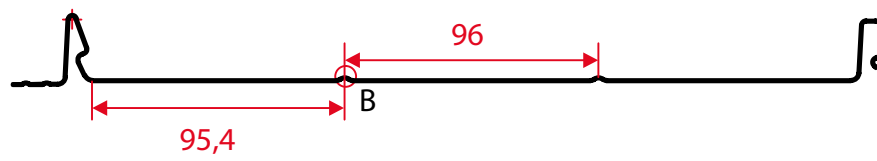
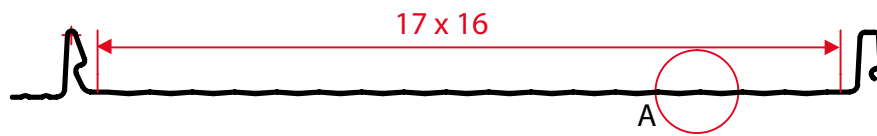
TECHNICAL PARAMETERS

Specifications

Name	ELEGANT 2.0 - upright seam panel with concealed fasteners	
Panel effective width [mm]	300	510
Lock profile height [mm]	24	
Min. length [mm]	400	
Max. length [mm]	10 000	
End undercut [mm]	2 mm; 35 mm	
Eaves undercut bend	optional at 35 mm; 10°	
Seam closing flap	YES	
Sheet thickness [mm]	0,50 / 0,60 / 0,70	
Steel grade	S220GD, S250GD	
Coatings	SP Polyester Gloss 25 µm, SP Polyester Mat 35 µm, CESAR 55 Semi-mat	
Profiling	Plain, micro-profile, double grooved, linear	
Weight [kg/m²]	approx. 4.5 kg/m²	
Technical requirements	CE per PN-EN 14782:2008	
Minimum roof slope	8° (14%)	
Batten spacing [mm]	250 mm max. or use blind boarding	



DECLARATIONS
AND
CERTIFICATES



PROFILE OPTIONS

The special profiling of the panels provides high stiffness and resistance to deformation. It also underlies the high aesthetic quality of the whole roofing system.



Linear profiling

Features distinctive grooves, which are a type of panel lining.



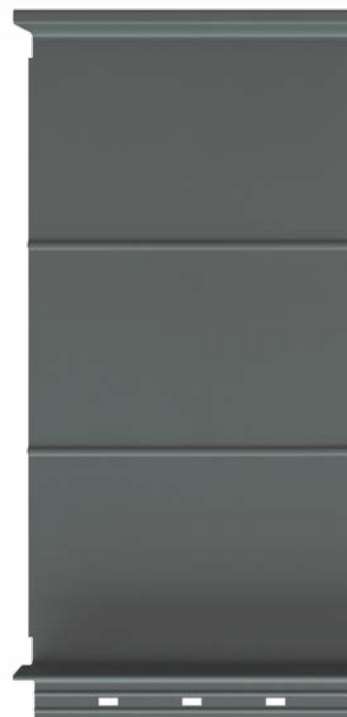
Flat

The sheet is pre-rolled and protected against deformation. It is an exceptionally attractive panel for those who appreciate minimalism in its full version. Profiling is primarily recommended for panels with a width of 300 mm and a thickness of 0.6 and 0.7 mm.



Micro-profile

The profiling pattern used for Balex Metal's sandwich panels. The profiling is identical, tested and proven, and looks great on large areas and buildings.

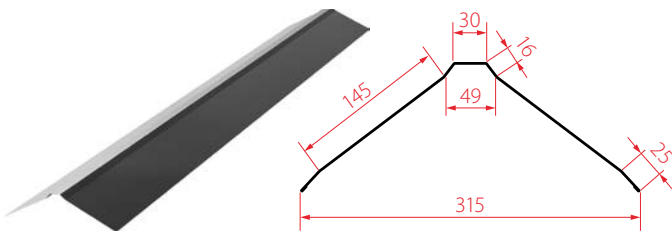


Double grooved profiling

A very unique visual finish that is especially recommended for buildings which need to be visually sleeker.

DEDICATED FLASHING

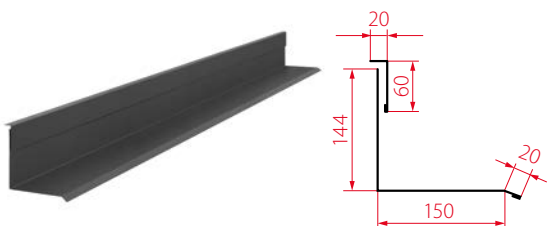
Ridge tile



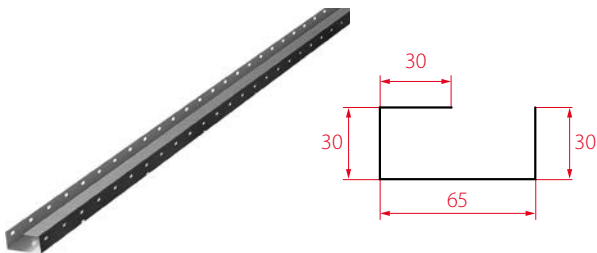
Vent chimney



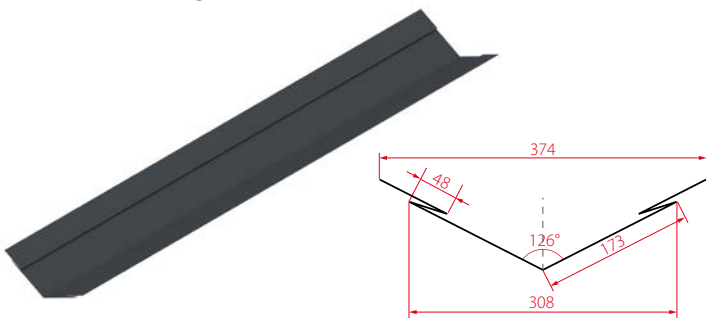
Chimney flashing



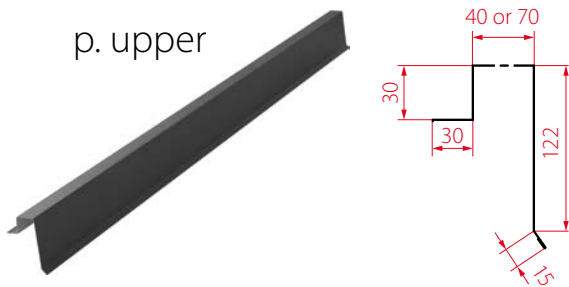
Ridge tile flashing



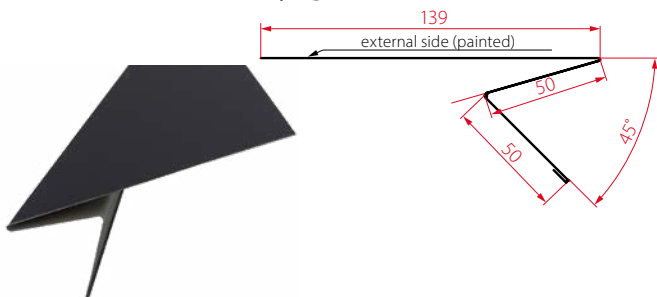
Basket gutter



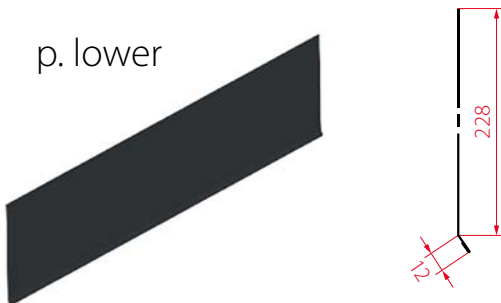
Wind brace



Dedicated valley gutter



p. lower







NEW

ASTRA SYSTEM

FLAT, MODERN, MINIMALIST

The decidedly modern design of the flat, modular Astra steel tile will satisfy all fans of minimalism. Astra ensures high aesthetics of the roof covering, which fits modern architecture and perfectly composes with photovoltaic panels. The tile can be installed in a parallel or passing pattern.

Features that distinguish the product are:

Durability and aesthetics

Thanks to additional ribbing, Astra is a cover with high stiffness, which prevents the elements from bending and sliding out even in gusty gusts, both due to wind pressure and suction. It is a flat tile that is so sought after in modern architecture.

Long warranty

Astra in a durable CESAR 55 coating is a technical guarantee of up to 55 years.

Quick montage

The Astra roof system is a modular solution (1 module equals 6 tiles) - modularity ensures easy installation and wide availability, almost „off the shelf“.

With respect to resources

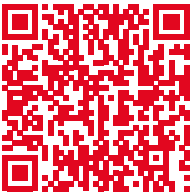
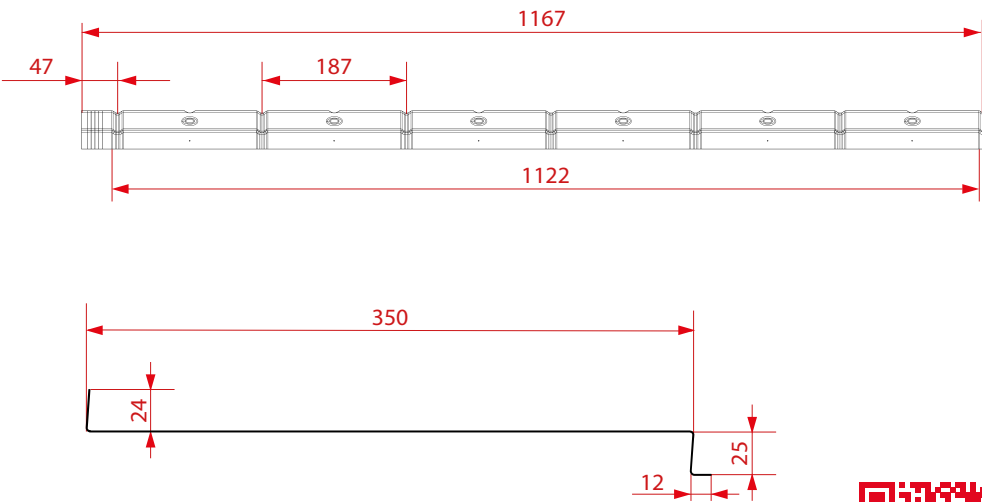
It is a product with fixed dimensions, which allows for standardization and optimization of packaging, transport and storage costs.

TECHNICAL PARAMETERS

Specifications

Name	ASTRA - modern steel roofing tile
Steel grade	S220GD, S250GD
Coatings	SP Polyester Gloss 25 µm, SP Polyester Mat 35 µm, Cesar 55 Semi-mat
Total width [mm]	1167
Effective width [mm]	1122
Embossing height [mm]	25
Total length [mm]	362
Effective length [mm]	350
Single tile legth [mm]	350
Single tile width [mm]	187
Module covering area [m²]	0,393
Module weigtht [kg]	1,84
Technical requirements	PN-EN 14782:2008; PN-EN 508-1:2010
Minimal roof slope	9° (16%)
Batten spacing [mm]	350

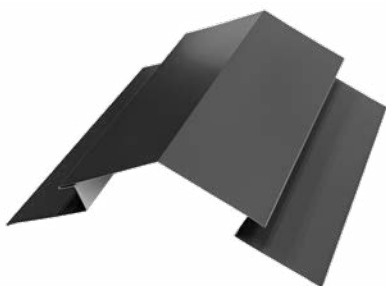
Astra tile profile



DECLARATIONS
AND
CERTIFICATES

FLASHINGS AND DEDICATED ACCESSORIES

Roof ridge



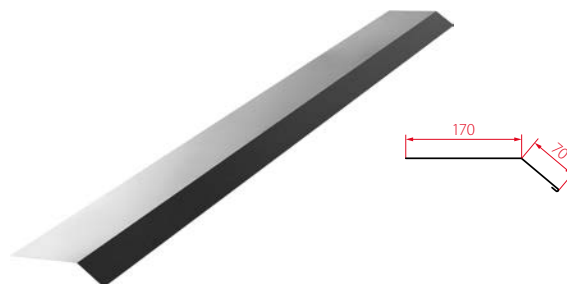
Ventilation chimney



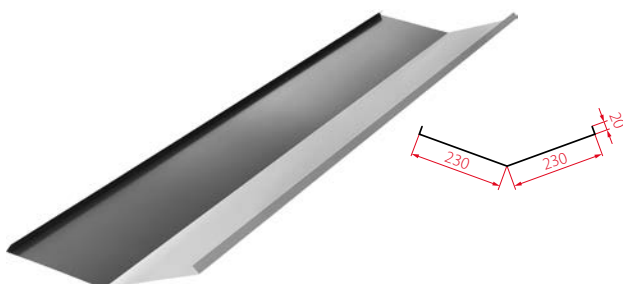
Chimney flashing



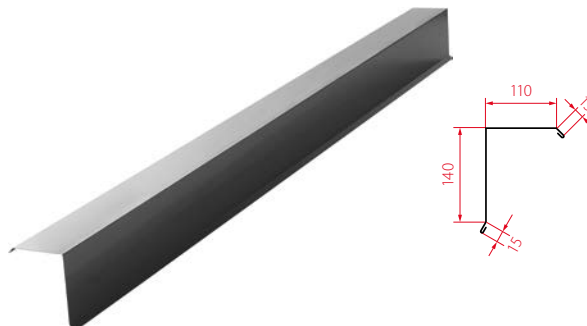
Eaves strip

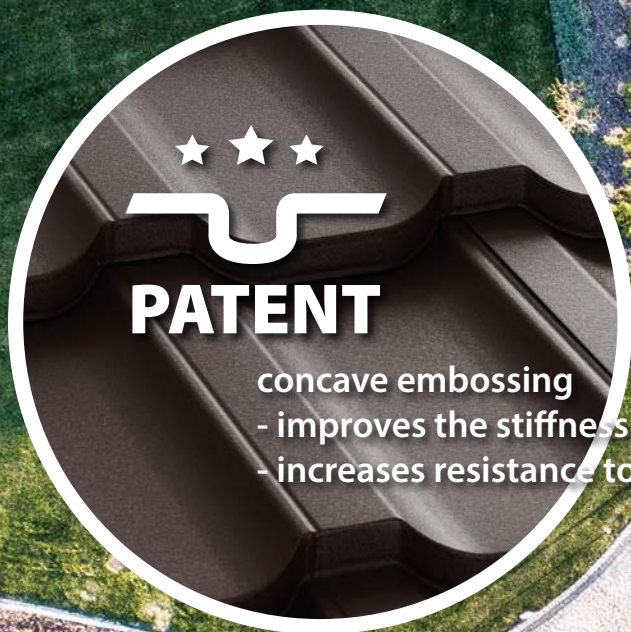


Valley gutter



Wind brace





PATENT

concave embossing

- improves the stiffness of the roofing
- increases resistance to deformation

PANORAMA SYSTEM

CLASSIC SIMPLICITY

The form of the Panorama steel sheet tiles brings out that unique, timeless style of a classic roof. The Panorama system keeps the building body light, while the classic proportions add a touch of style and refinement.

The highlight features include:

Innovative and convenient

The Panorama steel sheet tiles feature a unique groove for easy laying, trimming, and arranging the modules, unlike traditional steel sheet roofing materials.

Long warranty

The Panorama steel sheet tiles come finished with the ultra-durable CESAR 55 coating to guarantee durability of up to 55 years.

A unique design

A roof covered with the Panorama sheet tiles adds an element of lightness and sophistication to the whole design of your home. The system includes a selection of dedicated flashing products, including ridge caps and ridge tiles to give the roofing that unique finishing touch.

Fast installation

The Panorama steel sheet tile system is modular (1 module = 10 tiles), working with sheets helps assemble the whole roofing quickly.



PROJECT
OF USING
THE PANORAMA
SYSTEM



MORE ABOUT
THE PANORAMA
MODULAR TILES

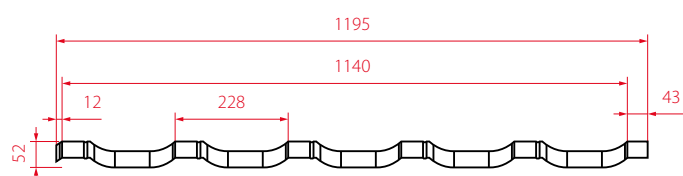
TECHNICAL PARAMETERS

Specifications

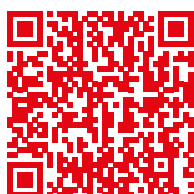
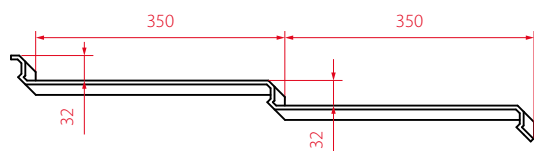
Name	PANORAMA – modern steel roofing tile
Steel grade	S220GD, S250GD
Coatings	SP Polyester Gloss 25 µm, SP Polyester Mat 35 µm, Cesar 55 Semi-mat
Total width [mm]	1195
Effective width [mm]	1140
Embossing height [mm]	32
Total length [mm]	740
Effective length [mm]	700
Single tile length [mm]	350
Single tile width [mm]	228
Module covering area [m ²]	0,798
Module weight [kg]	3,69
Technical requirements	PN-EN 14782:2008; PN-EN 508-1:2010
Minimal roof slope	9° (16%)
Batten spacing [mm]	350

Panorama tile profile

Front view



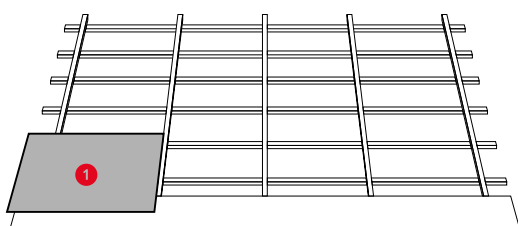
Side view



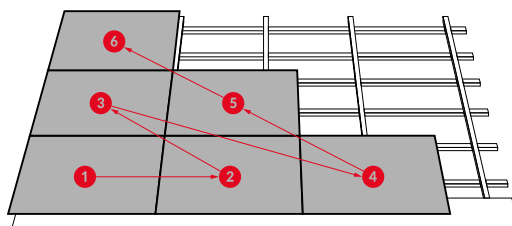
DECLARATIONS
AND
CERTIFICATES

PANORAMA LAYOUT SCHEME

Parallel installation of the Panorama steel sheet tiles

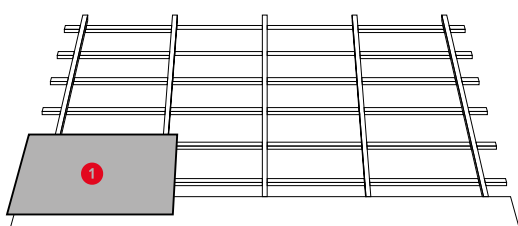


Always start laying from the LEFT HAND lower edge of the roof slope. Place the first sheet aligned with the side edge of the roof slope and an overlap of 50 mm (measured from the wave corrugation peak) beyond the over-gutter flashing location.

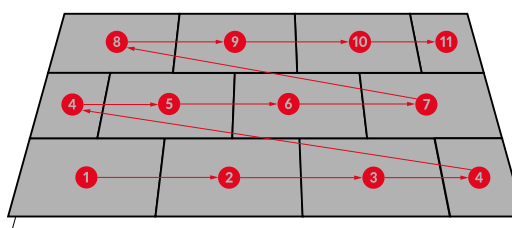


Lay each successive sheet as shown in the diagram, adding each next sheet to the right of the previous one and above the top of the previous row.

Offset installation of the Panorama steel sheet tiles




Always start laying from the LEFT HAND lower edge of the roof slope. Place the first row of sheets aligned with the side edge of the roof slope with an overlap of 50 mm (measured from the peak) beyond the over-gutter flashing location.



Lay the next row of sheets with an offset of 2 to 3 wave corrugation peaks. The sheets are modular and can be trimmed to reduce waste by 20% in comparison to trimming traditional steel sheet roof skin types.





MODULAR RIDGE CAP TO THE PANORAMA SYSTEM

The ridge cap is a flashing which is the finish of the roof over the gable wall. At this point, the roof covering is particularly vulnerable to wind blows and blowing rainwater underneath the roof covering. Therefore, it is a very important element of roof protection.

Advantages of a modular ridge cap:

- available in right-hand and left-hand versions
- easy to install modular
- protects the roof against the damaging effects of wind from the gable side of the building
- it is an aesthetic element of the roof finishing

55-year warranty

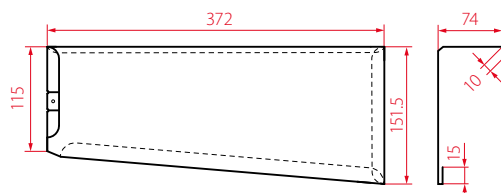
If you cover the roof with the Panorama system in the Cesar 55 coating (along with a complete set of accessories, flashings and guttering), you get a 50-year warranty for the entire roof.



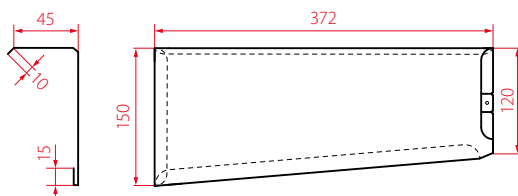
PANORAMA
INSTALLATION
MANUAL

TECHNICAL PARAMETERS

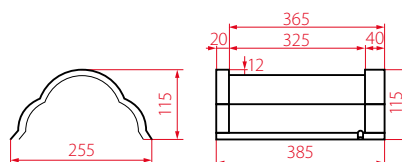
PANORAMA left-hand ridge cap



PANORAMA right-hand ridge cap



Modular ridge tile



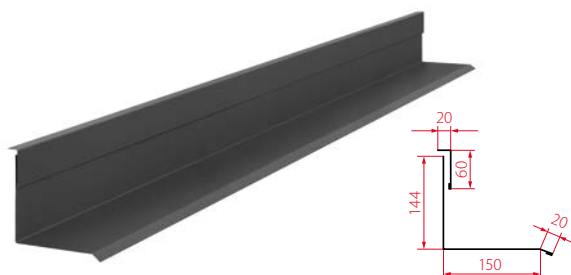
Eave bird guard



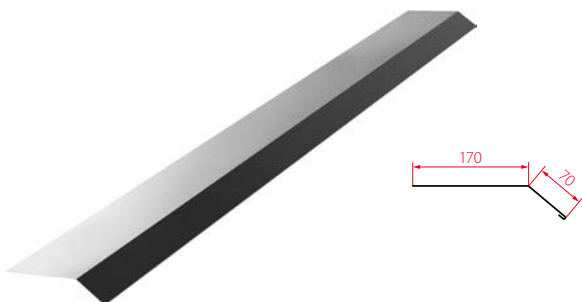
Vent chimney



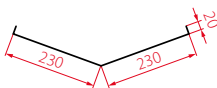
Chimney flashing



Over-gutter flashing



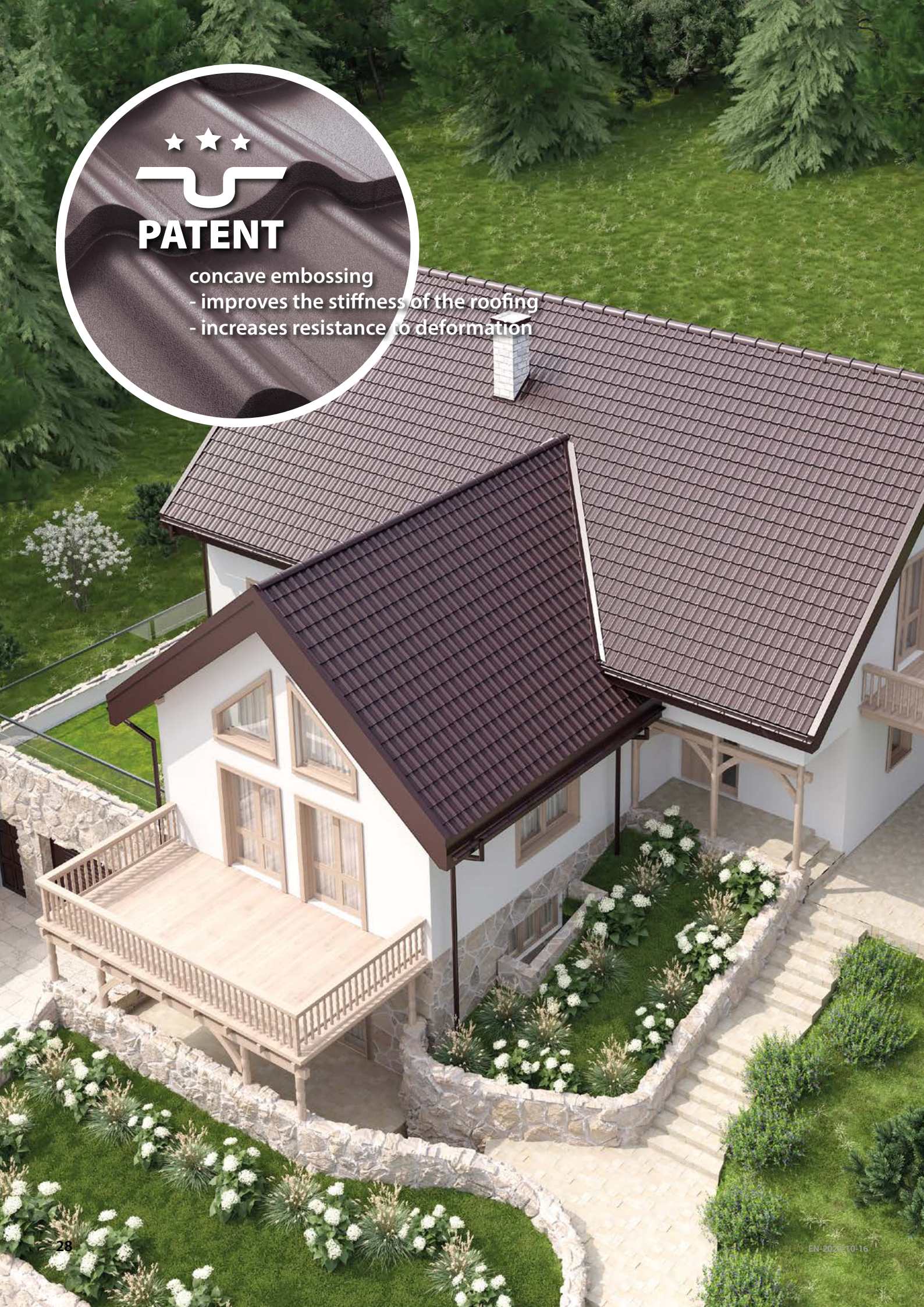
Valley gutter





☆☆☆
PATENT

- concave embossing
- improves the stiffness of the roofing
- increases resistance to deformation





NEW

ELIPSA SYSTEM

CLASSIC, EXPRESSIVE, WITH CHARACTER

The shape of the Elipsa steel tile resembles a heavy ceramic tile and fits perfectly into traditional architecture. The expressive depth of the tile in connection with its unique groove adds elegance to the objects.

Features that distinguish the product are:

Wind resistance and sought-after aesthetics

Special embossing of the metal roof tiles improves the longitudinal and transverse stiffness of the modules, which facilitates their assembly and improves the tightness of the roof. It is this unique groove that determines the unique aesthetics of the roofing.

Long warranty

The Elipsa in a durable CESAR 55 coating is a technical guarantee of up to 55 years.

Quick montage

The Elipsa roof system is a modular solution (1 module equals 10 tiles) - modularity ensures easy installation and wide availability, almost "off the shelf".

With respect to natural resources

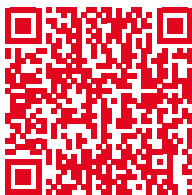
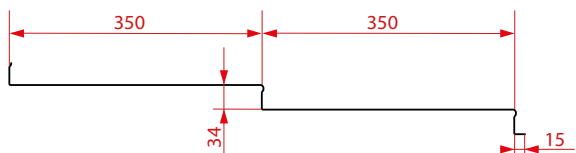
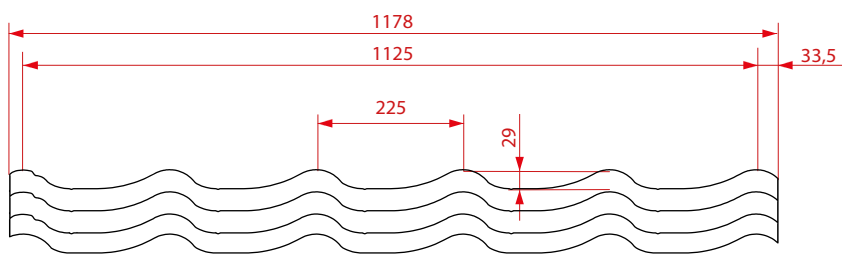
It is a product with fixed dimensions, which allows for standardization and optimization of packaging, transport and storage costs.

TECHNICAL PARAMETERS

Specifications

Name	ELIPSA - steel roofing tile
Steel grade	S220GD, S250GD
Coatings	SP Polyester Gloss 25 µm, SP Polyester Mat 35 µm, Cesar 55 Semi-mat
Total width [mm]	1178
Effective width [mm]	1125
Embossing height [mm]	34
Total length [mm]	715
Effective length [mm]	700
Single tile length [mm]	350
Single tile width [mm]	225
Module covering area [m²]	0,788
Module weight [kg]	3,64
Technical requirements	PN-EN 14782:2008; PN-EN 508-1:2010
Minimal roof slope	9° (16%)
Batten spacing [mm]	350

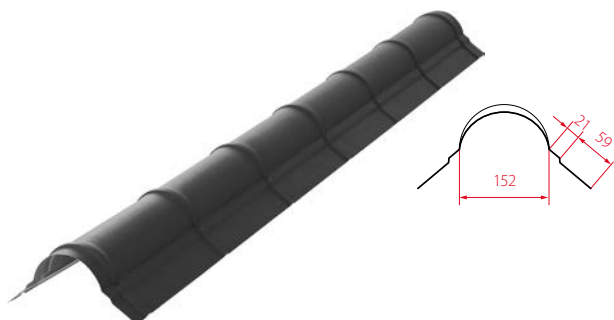
Elipsa tile profile



DECLARATIONS
AND
CERTIFICATES

FLASHINGS AND DEDICATED ACCESSORIES

Roof ridge



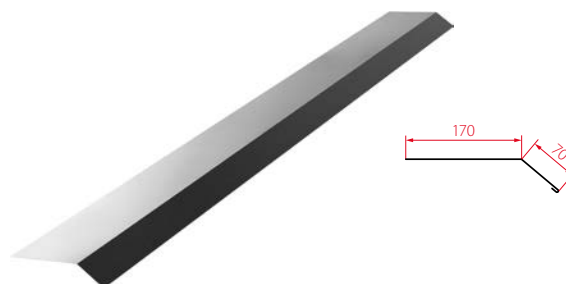
Ventilation chimney



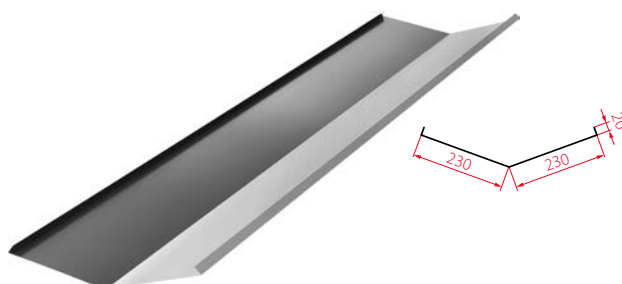
Chimney flashing



Eaves strip

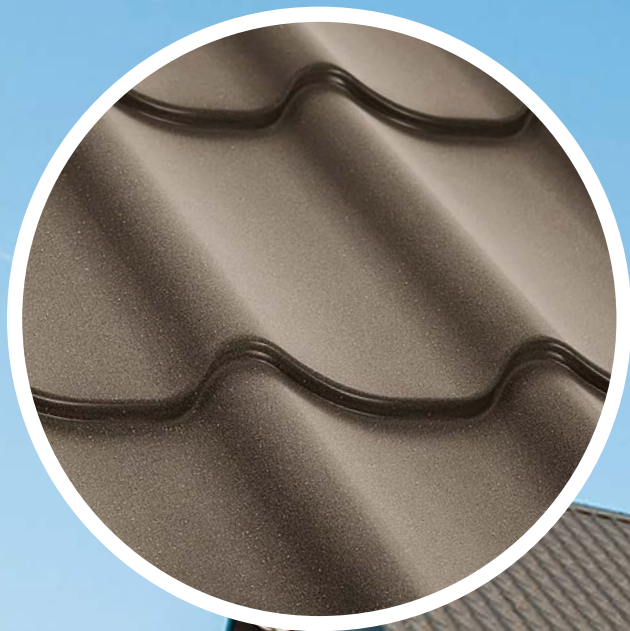


Valley gutter



Wind brace





SPEKTRUM

A STRONG ROOF

Building a home means planning ahead for generations. Hence, the aesthetics must go hand in hand with good strength in all the construction components. This is why we have developed Spektrum steel sheet tiles, based on a superior-quality grade of steel.

A tested and proven solution

The Spektrum sheet metal tiles have been around for 25 years, and they are the most popular roofing solution by Balex Metal. The traditional form of Spektrum can be found on so many homes that the combined area of Spektrum roofing totals millions of square metres in Poland alone.

A sturdy roof

Spektrum is a durable sheet metal tile solution that is designed to resist mechanical deformation and boasts a great anti-corrosion coating system.

Universal sizing

The sheet metal tiles are available in a wide range of module widths, from 280 to 430 mm. The maximum sheet length is 6500 mm.



INSTALLATION OF
SPEKTRUM TILES



CONSTRUCTION
PROJECT WITH
SPEKTRUM TILES

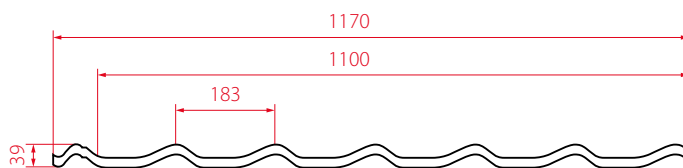
TECHNICAL PARAMETERS

Specifications

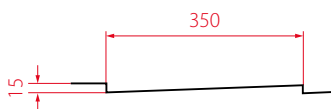
Name	SPEKTRUM - steel sheet tile
Standard module length [mm]	350
Adjustable module length [mm]	Custom order: 280-430
Max. sheet length [mm]	6500
Coverage width [mm]	1100
Overall width [mm]	1170
Profile height [mm]	39
Embossing height [mm]	15
Sheet thickness [mm]	0,5 / 0,6
Mass [kg/m ²]	ca. 5
Steel grade	S220GD, S250GD
Technical requirements	CE per PN-EN 14782:2008
Minimum roof slope	8° (14%)
Coating	SP Polyester Gloss 25 µm, SP Polyester Mat 35 µm, Cesar 55 Semi-mat
Batten spacing [mm]	350 (equal to the module length)

Spektrum tile profile

Front view



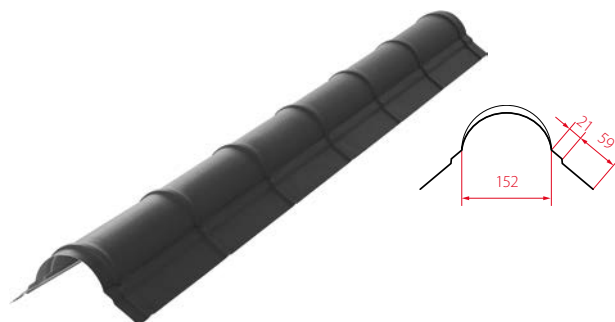
Side view



DECLARATIONS
AND
CERTIFICATES

DEDICATED FLASHING

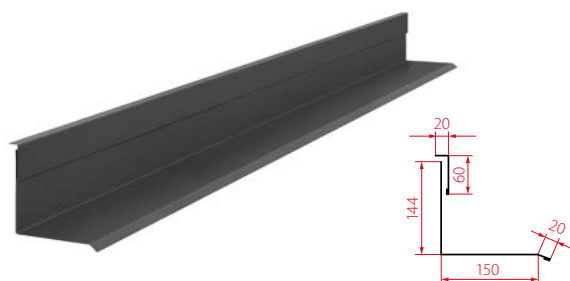
Ridge tile



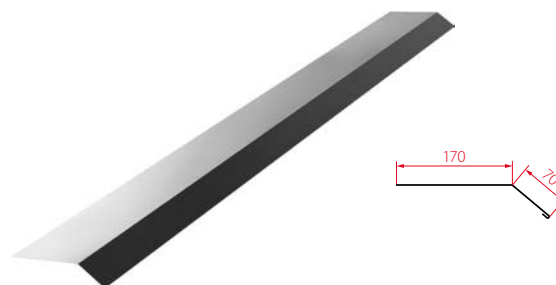
Vent chimney



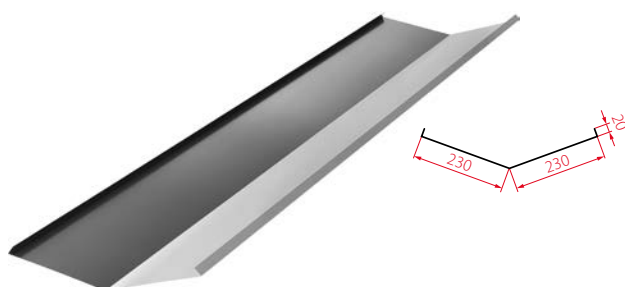
Chimney flashing



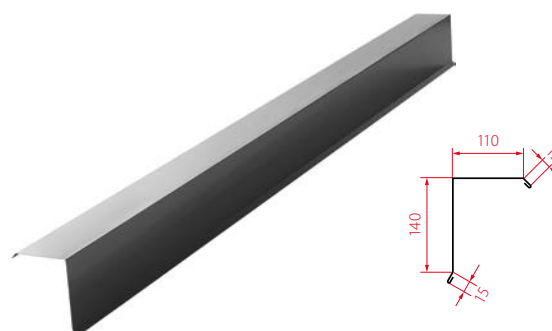
Over-gutter flashing



Valley gutter



Wind brace





HORYZONT

COST EFFECTIVE...

The Horyzont steel sheet tiles are perfect for covering large roof slopes. The overall covering width per sheet is larger than with traditional steel sheet tiles.

Larger coverage means greater cost savings

The sheet metal tiles provide up to 10% more coverage than the equivalent covering solutions traditionally used. The overall single sheet width is a staggering 1160 mm.

Light roof structure

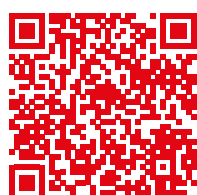
The Horyzont sheet metal tiles add a load of just 4,05 kg/m² of the roof. This means that the framing requires no additional bracing, which speeds up the installation process.

Excellent anti-corrosion protection

The budget-level Horyzont sheet metal tiles are made of superior-quality, 0,5-mm steel finished with preservative coatings.

Safe to ship

The Horyzont system is factory-prepped for shipping on dedicated box pallets to provide a high level of protection during transport and storage.



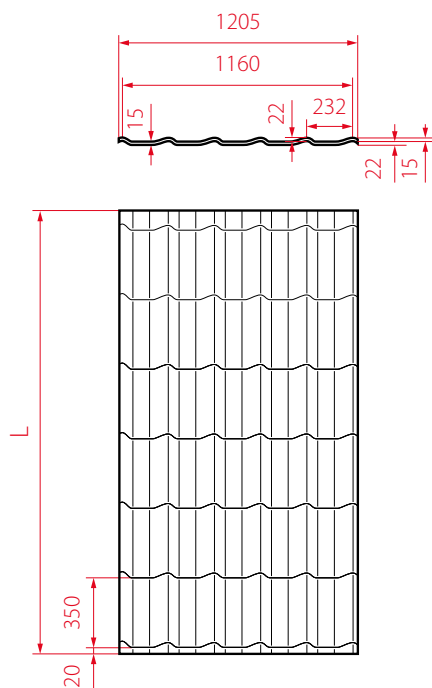
MORE
ABOUT
HORYZONT

TECHNICAL PARAMETERS

Specifications

Name	HORYZONT - steel sheet tile
Standard module length [mm]	350
Adjustable module length [mm]	Custom order: 280-430
Max. sheet length [mm]	6500
Coverage width [mm]	1160
Overall width [mm]	1205
Embossing height [mm]	15
Overall height [mm]	22
Sheet thickness [mm]	0,5
Mass [kg/m²]	4,05
Technical requirements	CE per PN-EN 14782:2008
Minimum roof slope	8° (14%)
Coating	SP Polyester Gloss 25 µm, SP Polyester Mat 35 µm
Steel grade	S220GD, S250GD

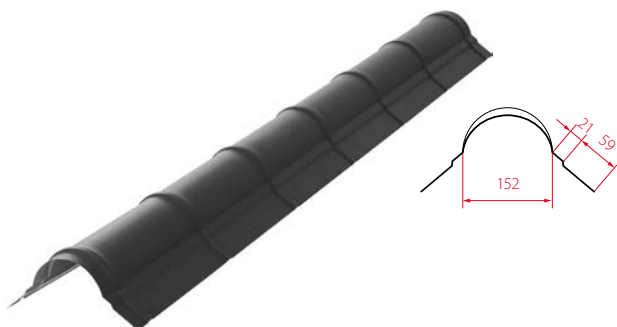
Horyzont tile profile



DECLARATIONS
AND
CERTIFICATES

DEDICATED FLASHINGS

Ridge tile



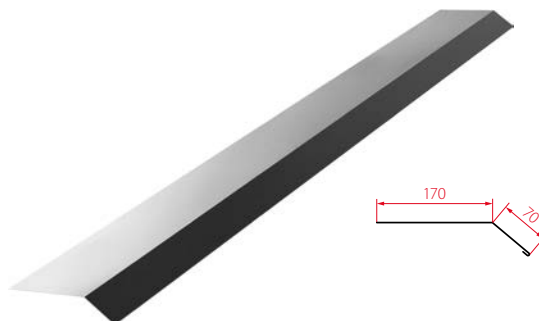
Vent chimney



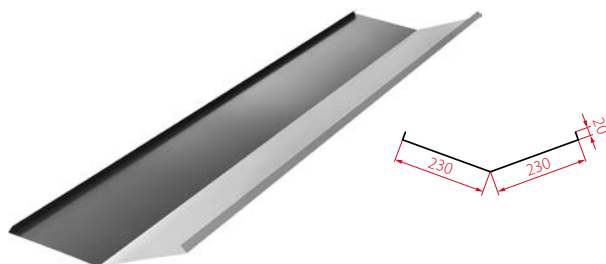
Chimney flashing



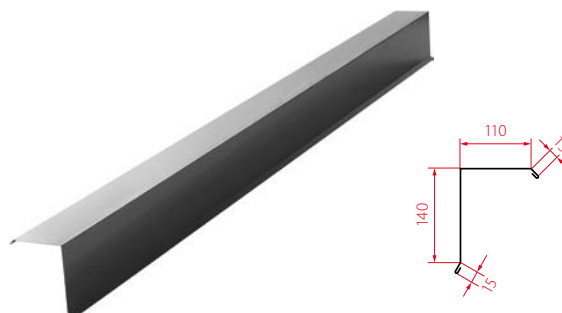
Over-gutter flashing



Valley gutter



Wind brace





AVAILABILITY FROM **Q3 2023**

NEW

SOFFIT TRAPEZOIDAL SHEET BTP7

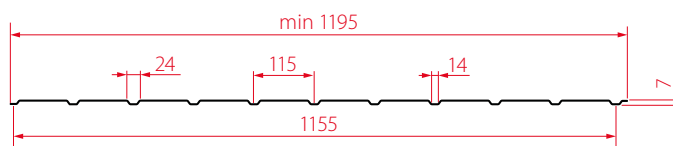
However, the BTP7 trapezoidal sheet, created with the soffit of the roof eaves in mind, has a much wider application.

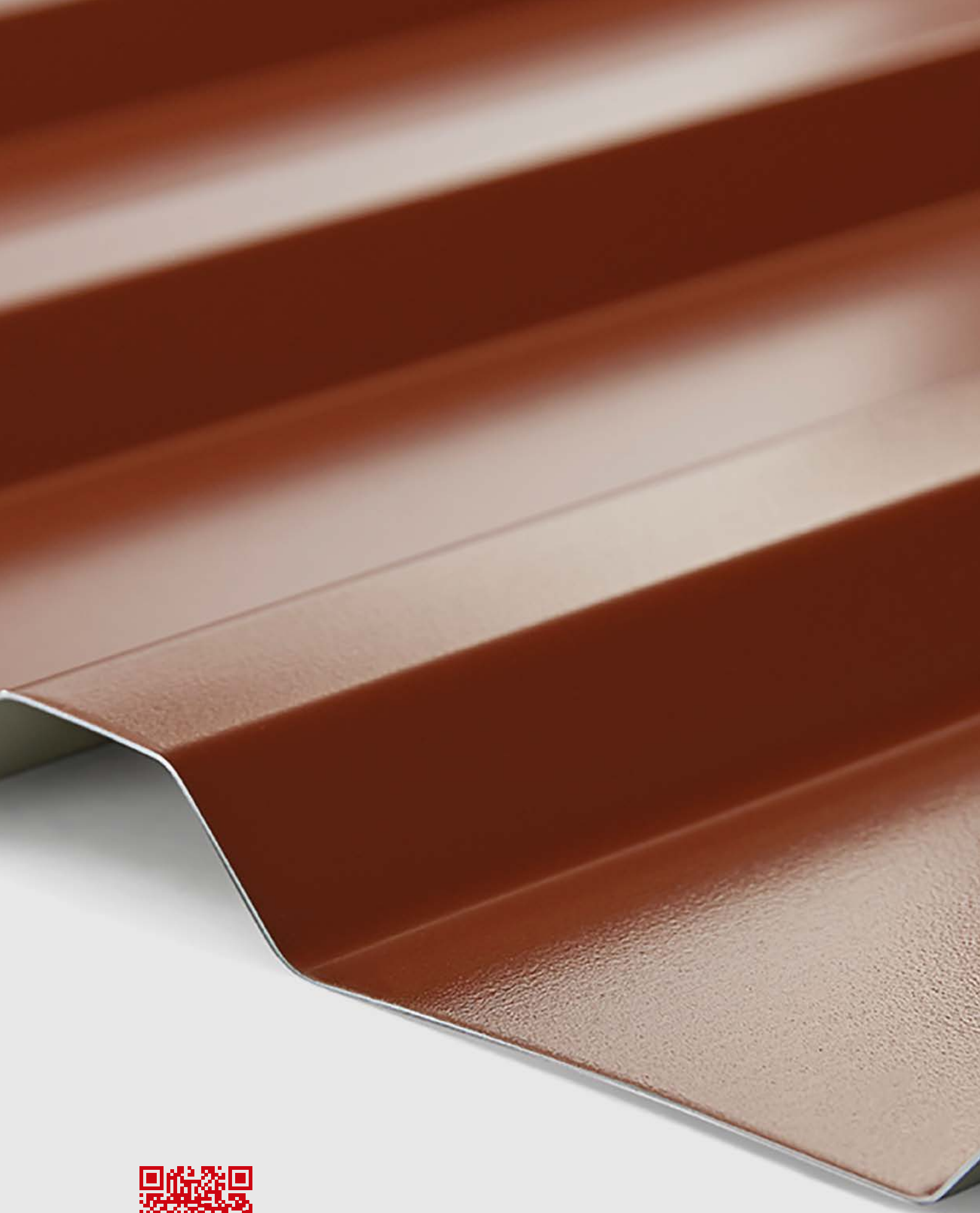
A wide range of colors and coatings.

Application: roof soffit, sheds, fences, warehouses, storage rooms.

Parameters

Name	Soffit trapezoidal sheet BTP7
Steel grade	S250GD
Steel thickness [mm]	0,40 / 0,50
Coating	SP Polyester Gloss 25µm, SP Polyester Mat 35µm, Cesar 55 Semi-mat
Maximal length [mm]	12000
Standard lengths [mm]	2000, 3000, 4000





CONSTRUCTION
PROJECT WITH BOX
PROFILE SHEETS



CURTAIN BOX PROFILE SHEETS FOR ROOFS AND WALLS

Box profile sheets are excellent cladding materials for roof and wall surfaces. Given their great potential for different finishes, affordable pricing and long life, box profile sheets enjoy steady and high popularity in residential projects.

High strength

Box profile sheets are characterised by highly durability. They are highly resistant to weather, including extreme temperatures. They can easily withstand extreme weather phenomena, including torrential rain, heavy snowfall and hail showers.

Low pricing

The box profile sheet installation is a cost-effective alternative to the installation of other roof skin materials. The pricing of box profile sheets matters, too.

A material for every building

Box profile sheets are applied as roof skins on residential buildings and auxiliary buildings of all types, including garages, open-sided sheds, storage units, and more. They make for an excellent indoor finish materials for partition walls.

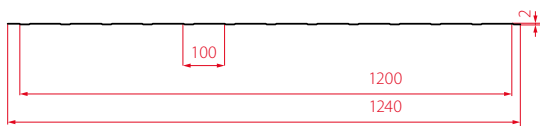
TECHNICAL PARAMETERS

Specifications

Application	Roofs and walls
Name	BTO, BTU, BTS, and BTD box profile sheets
Steel grade	S220GD, S250GD
Sheet thickness [mm]	0,50 / 0,60 / 0,70
Coating	SP Polyester Gloss 25µm, SP Polyester Mat 35µm, Cesar 55 Semi-mat, PVC(F) "foodsafe", Aluzinc + Easyfilm, galvanised
Max. sheet length [mm]	6,000-10,000 (length dependent on the selected profile)
Special finish	DRIPSTOP anti-condensation coating for box profile sheet types BTD35, BTD45 and BTD55
Minimum roof slope	3° (5%) for solid sheets / 5° (7%) for sheets joined along the length

Technical drawing

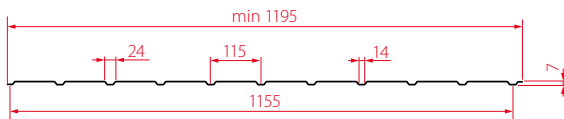
Optical box profile sheet



BPO



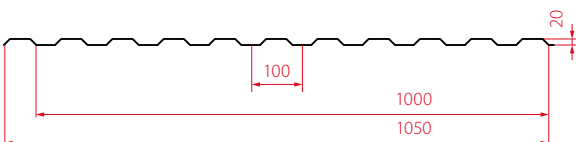
Soffit box profile sheet



BTP 7

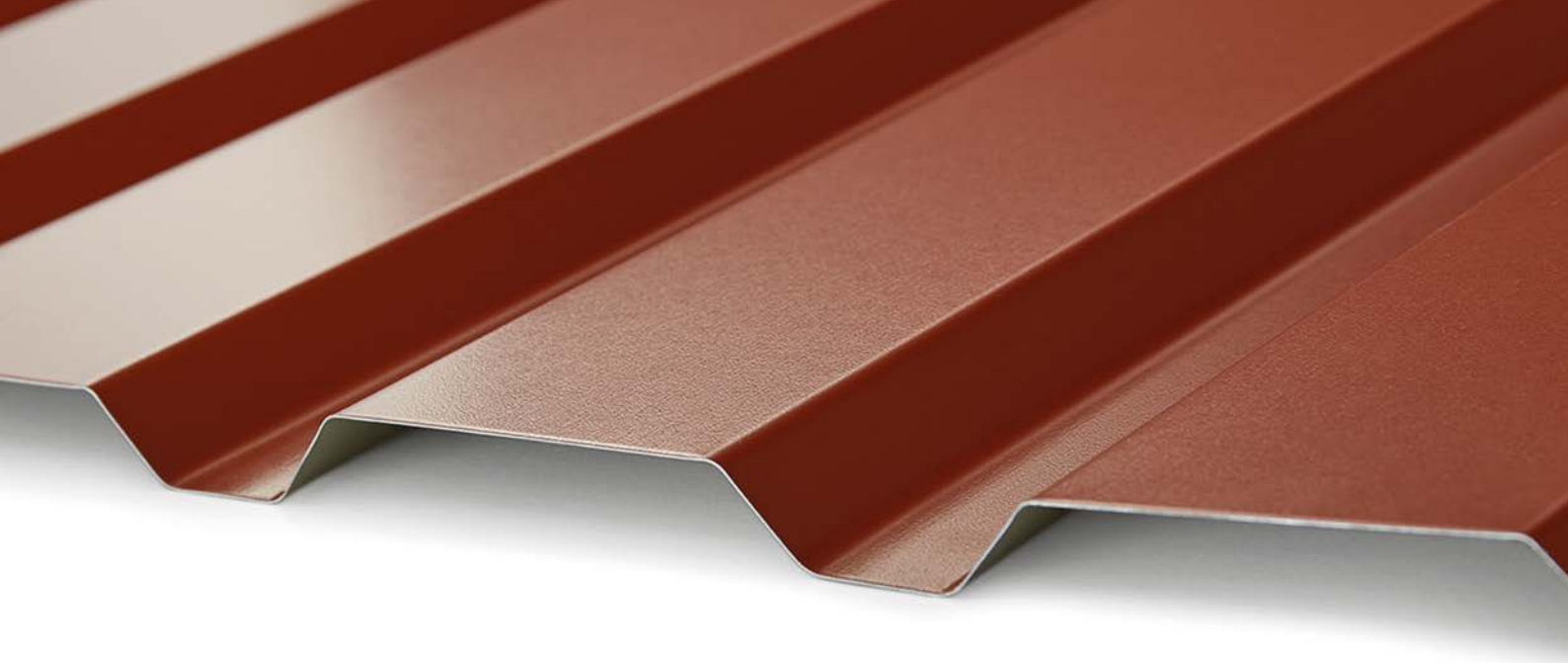


Universal box profile sheet

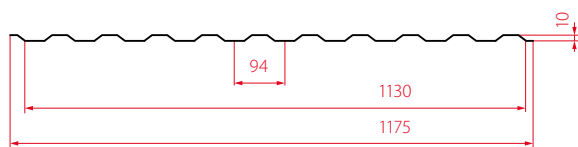


BTU 20

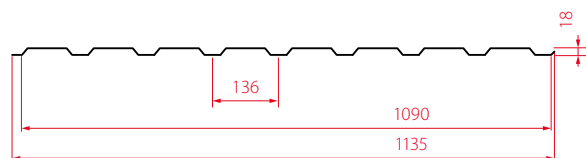




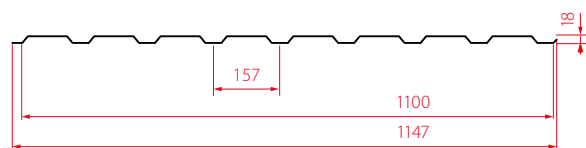
Wall box profile sheets



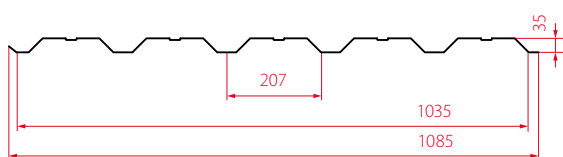
BTS 10



BTS 18



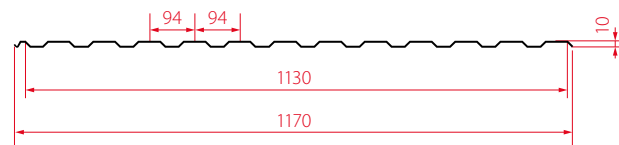
BTS18.157



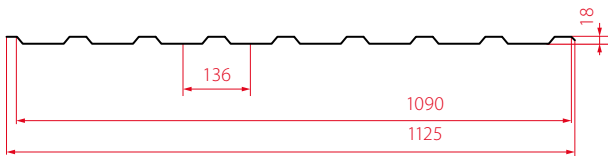
BTS 35



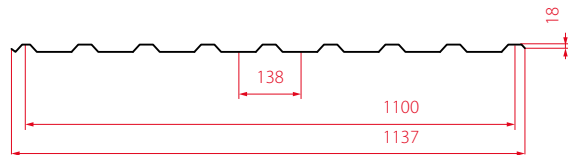
Roof box profile sheets



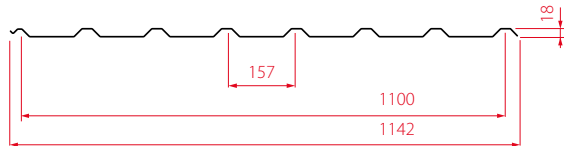
BTD 10



BTD 18



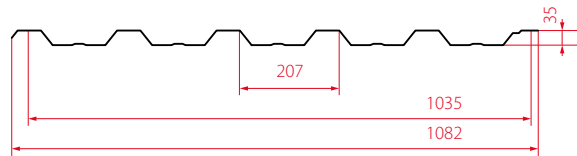
BTD 18.138



BTD 18.157



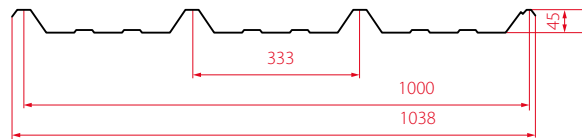
DRIPSTOP
Available from Q2/Q3 2023



BTD 35

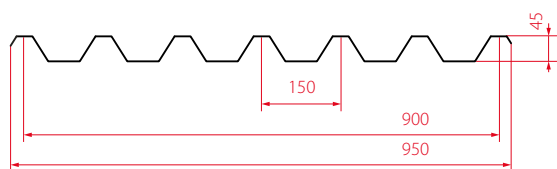


DRIPSTOP

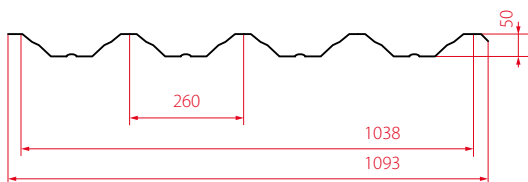


BTD 45.333 (matches the profiling of roof sandwich panels)

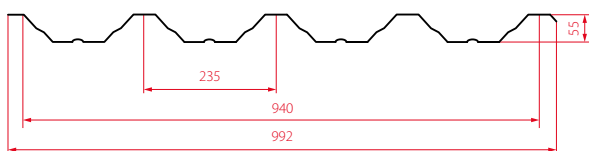




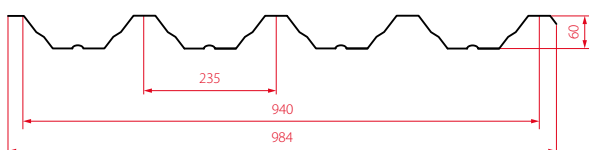
BTD 45.900



BTD 50



BTD 55



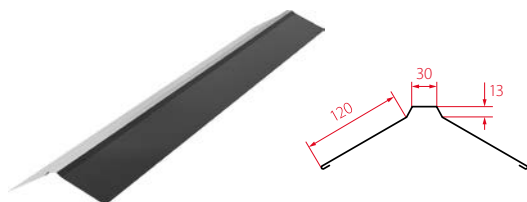
BTD 60



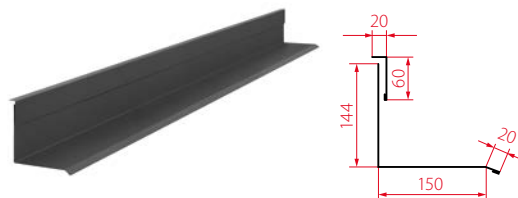
CUSTOM ROOF FLASHINGS

Dimensions	The shape and size of flashing is produced per customer specification drawings	
Sheet thickness [mm]	0,50 - 1,00	1,25 - 2,50
Max. length [mm]	11,50	6,00
Steel grade	S220GD, S250GD, stainless steel (1.4301)	
Coatings	SP Polyester Gloss 25 µm, SP Polyester Mat 35 µm, Cesar 55 Semi-mat, Food Safe PVC(F), galvanized, Aluzinc + Easyfilm	
Manufacturability	Cutting	
	Bending	
	Automatic die punching and perforation	
	Protection of raw material with plastic film	

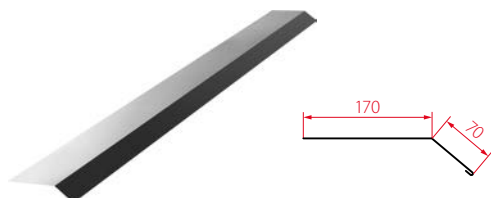
Ridge tile



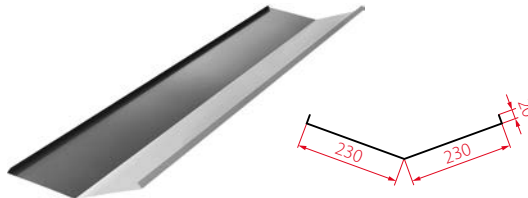
Chimney flashing



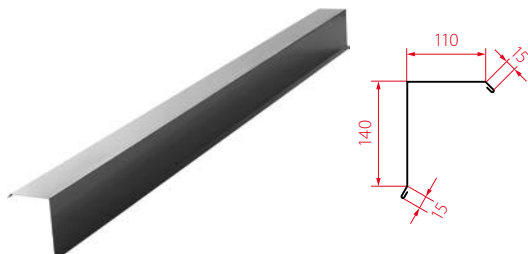
Over-gutter flashing



Valley gutter



Universal wind brace



Vent chimney



The vent chimney
for BTD18 and BTD35

ROOF SAFETY AND SNOW PROTECTION SYSTEM

**Chimney-sweep bench
with cradle and brackets**

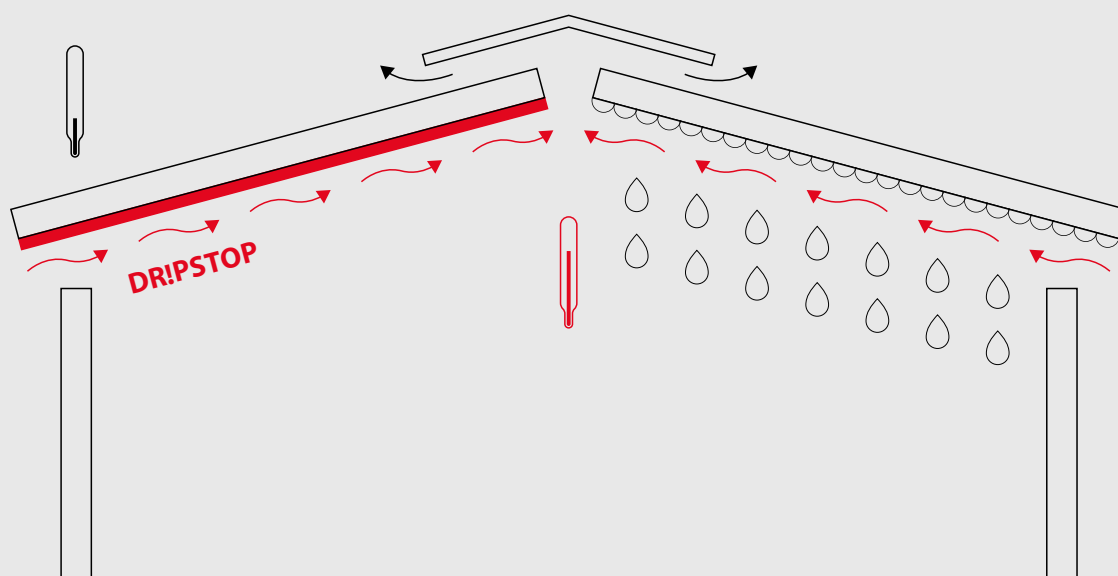
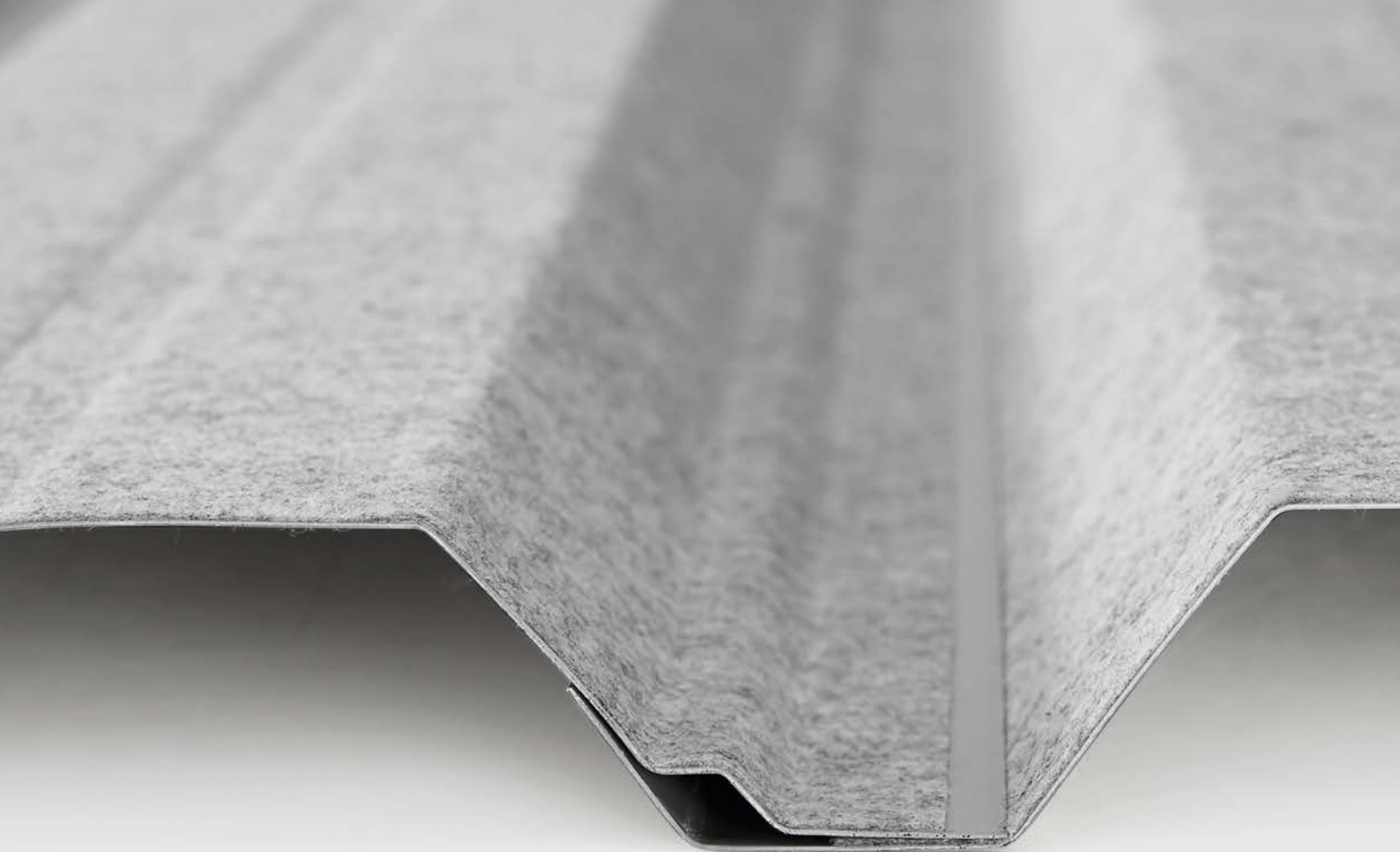


Snow guard



**Chimney-sweep step with
cradle and brackets**





ANTI- CONDENSATION MESH

Condensation of water vapour, or steam, occurs on non-thermally insulated steel roofing layers. It may cause corrosion, make the attic interior damp and corrode the materials stored there, like crops.

The special DR!PSTOP anti-condensation mesh prevents dripping of condensed water. The sheet metal with the DR!PSTOP system on the inside has an additional layer which holds the condensate for removal by a ventilation system beneath the sheet metal cladding.

The DR!PSTOP anti-condensation coating can absorb over 830 g of water per square metre.

Other advantages include:

- Water-washable
- High anti-bacterial resistance
- Fire reaction class A2-s1, d0 (EN 13501-1)
- Enhanced anti-corrosion protection
- Acoustic comfort (dampens the sound of rainfall, and mechanical noise inside the building)
- Available for products:
BTD35, BTD45.900, BTD55,
BTD 18.157 (from Q2/Q3 2023)

MEMBRANES

ASPIRA MEMBRANES

The all-new three-layers ASPIRA roofing membranes provide enhanced protection of sloped roofs and extend their life. The ASPIRA vapour breathing membranes are waterproof and highly permeable to water vapour. The three layers of polypropylene also ensure high tensile and yield strength

ASPIRA Std

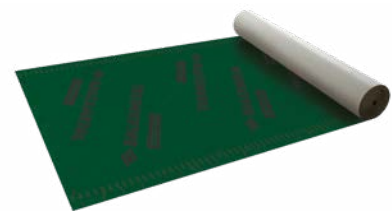
- to be used as a pre-covering membrane
- for use on rafters and full boarding
- is an economical, full-fledged windproof solution

ASPIRA Plus

- for use on rafters and full boarding
- ideal for roofs covered with metal tiles
- very good parameters vapor permeability
- high strength mechanical
- 2 adhesive strips facilitate assembly and increase the durability and tightness of the roof

ASPIRA Max

- for use on rafters and full boarding
- included in the class of roof screens
- works well in the most difficult weather conditions
- 2 adhesive strips facilitate assembly and increase the durability and tightness of the roof



Specifications

Name	ASPIRA Std	ASPIRA Plus	ASPIRA Max
Mass (g/m ²)	135	150	170
Color of background	light gray	red	green
Adhesive strips	-	2	2
Layers	3	3	3
Breakaway strength [N/5 cm], lengthwise	280	300	320
Breakaway strength [N/5 cm], crosswise	170	180	200
Elongation at break [%], lengthwise	70	60	70
Elongation at break [%], crosswise	90	80	90
SD: diffusion equivalent layer of air [m]	0,02	0,02	0,02
Application temperature range [°C]	from -40°C to +80°C	from -40°C to +80°C	from -40°C to +80°C
Resistance to permeation	Class W1	Class W1	Class W1
UV stability	3 months*	3 months*	3 months*
Standard size in reel [m]	1,50x50	1,50x50	1,50x50
Fire reaction class	E	E	E

(*) Refers to exposure with average annual UVB radiation intensity. In the summer, with maximum intensity of solar radiation, in accordance with the building practice, avoid exposure of any roofing membranes for more than 3 weeks.

AQ Metal MEMBRANE

The AQ Metal membrane is a special roofing membrane product for installation under a plain sheet metal skin, e.g. standing seam panel on the full-boarding layer. The AQ Metal protects sheet metal cladding against corrosion; the topside of the membrane is made with a reinforcing mat that provides an embossed drainage layer with a clearance from the sheet metal underside. The membrane is very strong and features a very good vapour breathability. The membrane can be installed on blind boarding.

The membrane is installed on a rigid base of boards or OSBs with the embossed texture on the top and in parallel to the eaves. To ensure proper drainage of water towards the eaves, each higher strip of the membrane must be laid with a 10 cm overlap of the lower strip.

Specifications

Name	AQ Metal
Material	polypropylene
Mass [g/m ²]	440
Color of background	black-white
Layers	4
Breakaway strength [N/5 cm], lengthwise	320
Breakaway strength [N / 5 cm], crosswise	200
Elongation at break [%], lengthwise	70
Elongation at break [%], crosswise	100
SD: diffusion equivalent layer of air [m]	0,02
Application temperature range [°C]	from -40 to +80
Resistance to permeation	Class W1
Standard size in reel [m]	1,50 x 25
Fire reaction class	E



VENTILATION SYSTEM

Vent chimney

Technical specification:

Name	Vent chimney
System components	Vent chimney, reduction adapter, insulated insert
Compatible roofing	Steel sheet tiles and BTD18 box profile sheets
Material	High quality PVC
Colours	coral red, red, brick-red, brown, green, graphite grey, black

The vent chimney is also available with an insulated insert.

Vent chimney for Spektrum steel sheet tiles



Vent chimney for box profile sheets



Premium vent chimney for PANORAMA steel sheet tiles



Vent chimney for ELEGANT upright seam panels



Premium insulated vent chimney for attic ventilation

Technical specification:

Name	Vent chimney for PANORAMA steel sheet tiles and ELEGANT upright seam panels
System components	Chimney with base and connection
Compatible roofing	The vent chimney base system is suitable for different roofing systems
Material	Full-body coloured polypropylene
Colours	Chocolate brown, brick-red, cherry, graphite, black
Size	Diameter 125 mm (on order: 160 mm)

ROOF SAFETY AND SNOW PROTECTION SYSTEM

Properties

- Prevents snow and ice sliding from roof slopes
- Enables easy and safe access to chimney stacks, gutterwork and other rooftop installations
- Matches the roofing made from steel sheet tiles, upright seam panels and box profile sheets

Technical specification:

Material	Galvanised steel, varnish coating on both sides
Standard length	Snow guard – 2000 mm Snow railing – 2000 mm Chimney-sweep bench – 400 mm, 800 mm, 1980 mm (other sizes available on request)
Colours*	Red, brick-red, brown, grey, black

*The snow railing kit colours available for upright seam panels: silver metallic or graphite grey.

Components of the roof safety system:

Snow guard



Chimney-sweep bench with cradle and brackets



Snow railing

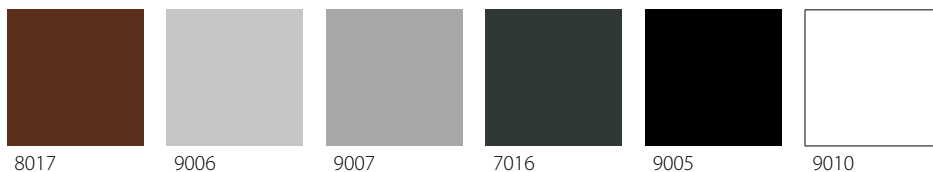


Chimney-sweep step with cradle and brackets

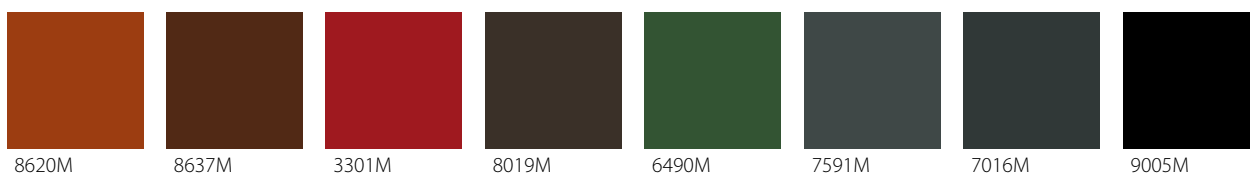


COLOUR PALETTE

CESAR 55 SEMI-MAT



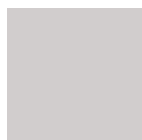
SP POLYESTER MAT 35 µm



SP POLYESTER GLOSS 25 µm



SP POLYESTER GLOSS 15 µm



9005³⁾



9006³⁾

METALLIC COATS



AZ - ALUZINC
+ EASYFILM®



Z - GALVANIZED

PVC(F) “foodsafe”



9010¹⁾

The colors presented in the materials are for illustrative purposes only.

Balex Metal reserves the right to have color differences between the template and the actual colour.

The presented colors are available in sheets with a thickness of 0.50 mm;

1) - color also available for sheets 0.60 mm thick;

2) - color also available for sheets 0.60 mm and 0.70 mm thick;

3) - color also available for 0.4 mm thick sheets.

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EN-2023-10-16

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