

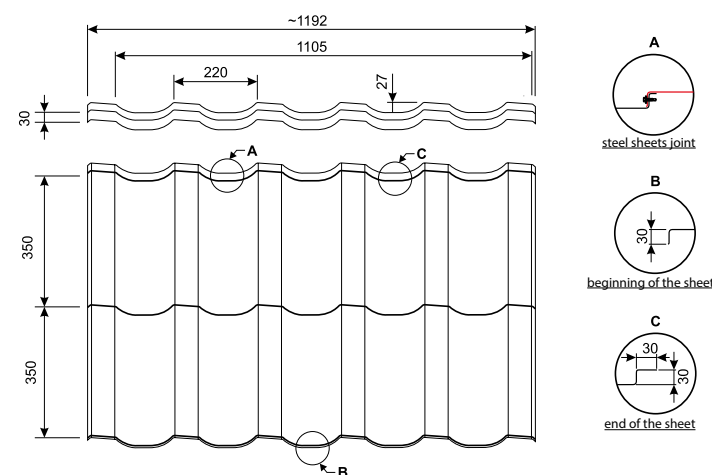
# Production Profile







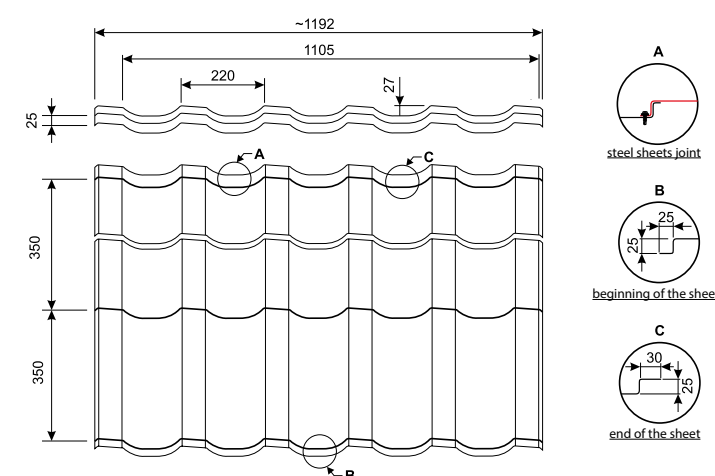
**REN metal roofing** tile is the first one in our offer with an inclined shape (cross section). This solution prevents appearing sediments on the roof, which ensures aesthetic appearance.



module length	350 mm
profile height	27 mm
fold height	30 mm
total width	1192 mm
effective width	1105 mm
coverings	polyester glossy, coarse matt, PURMAT, PURLAK, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	crews, seals, sealing collars, flashings, touch-up paint



REN steel roof tiles has been awarded with GOLDEN MEDAL at Budma International Poznań Fair 2018



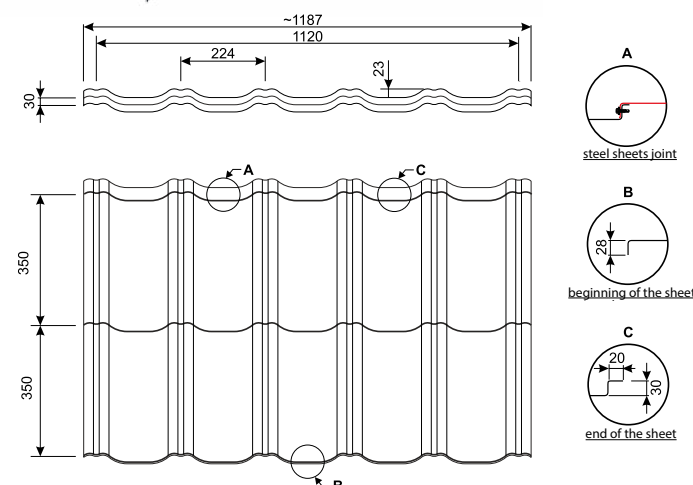
**REN metal roofing** tile with its original shape allows objects to stand out against others. On the other hand, it seamlessly blends into the surrounding environment. It also has a very rich palette of anti-corrosion protection (organic and metallic coatings). Hence, roofs covered with „REN” tile can be designed for decades without the risk of losing functional properties and aesthetic values.

module length	350 mm
profile height	27 mm
fold height	25 mm
total width	1192 mm
effective width	1105 mm
coverings	polyester glossy, coarse matt, PURMAT, PURLAK, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	crews, seals, sealing collars, flashings, touch-up paint

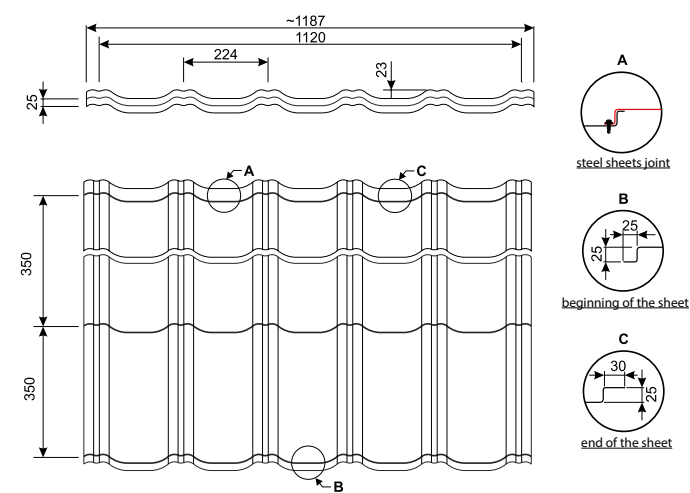




LOARA metal roofing tile was created by modifying the shape of the TUR panel roofing. Higher profile is an interesting continuation of the series, which is popular among customers. Metal roofing tiles are symmetrical, which facilitates the assembly process.



module length	350 mm
profile height	23 mm
fold height	30 mm
total width	1187 mm
effective width	1120 mm
coverings	polyester glossy, coarse matt, PURMAT, PURLAK, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch up paint, foils, windows



The popular, modernized shape of LOARA roofing tile is also available in cut-to-size version. It is available in all colours and coatings offered by Blachy Pruszyński.

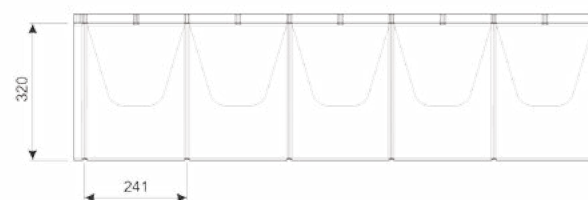
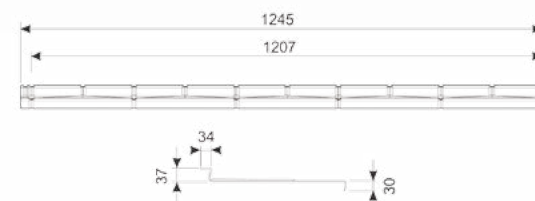
module length	350 mm
profile height	23 mm
fold height	25 mm
total width	1187 mm
effective width	1120 mm
coverings	polyester glossy, coarse matt, PURMAT, PURLAK, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch up paint, foils, windows





**Steel roof tile IRYD** is next newest position in offer of PRUSZYŃSKI Sp. z o.o. Due to state-of-art shape it perfectly sets in modern and industrial area. Easy and fast assembly. Economic – waste of material limited to minimum. Very wide palette of anti-corrosion coverings(organic and metallic coatings). Thanks to that roof coverings made with IRYD roof tiles can be designed for decades.

module length	320 mm
profile height	3 mm
fold height	30 mm
total width	1236 mm
effective width	1210 mm
coverings	PURMAT, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch up paint, foils, windows

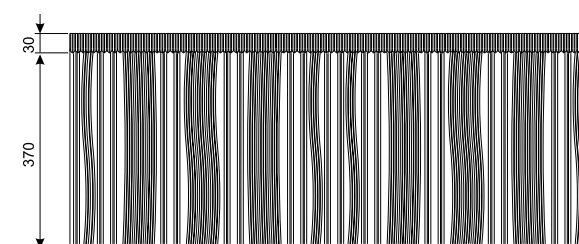
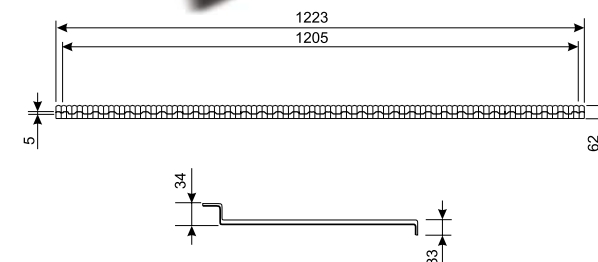


IRYD steel rooftiles has been awarded with GOLDEN MEDAL at Budma International Poznań Fair 2019



**REGLE is a one module roof panel** – new roofing material in our offer, prepared as a response to popular trend in building – timber boarder houses, roadhouses and regional restaurants.

module length	370 mm
profile height	5 mm
fold height	30 mm
total width	1223 mm
effective width	1250 mm
coverings	PURMAT, PURLAK, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	nails or TORX screws, seals, sealing collars, flashings, touch-up paints



REGLE Roof panel has been awarded with TOP BUILDER 2015 Award and Gold Medal of MTP BUDMA 2015





See our assembly video instruction  
of MODUS and TUR Rooftiles:  
<https://www.youtube.com/watch?v=m20LNAFKskg>

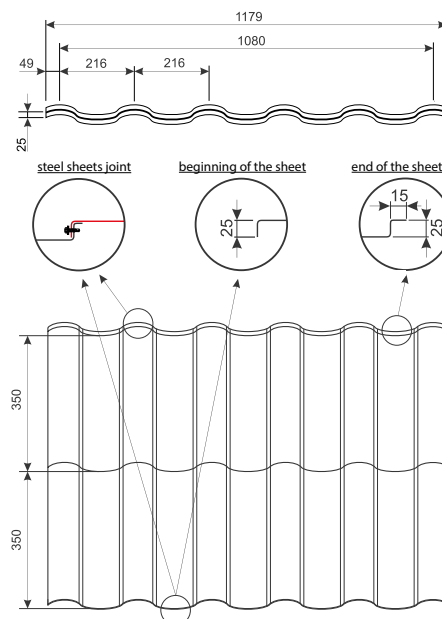


**MODUS** is a **metal roofing** tile delivered as panels for traditional assemble with use of screws. Available coatings are: glossy polyester, coarse-grained matt, polyurethane PURMAT and PURLAK, and hybrid coating - PURMAX.

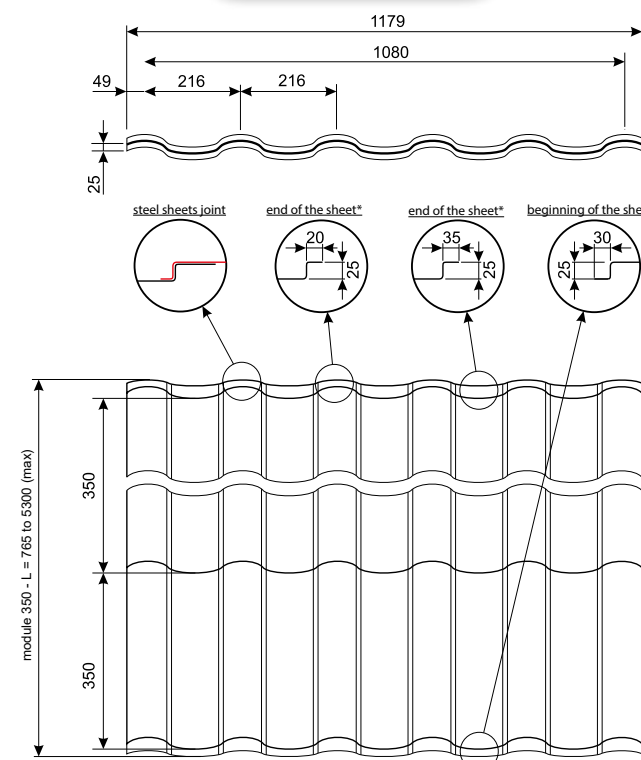
module length	350 mm
profile height	35 mm
fold height	25 mm
total width	~1179 mm
effective width	1080 mm
coverings	glossy polyester, coarse matt, PURLAK, PURMAT, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch-up paint



MODUS roof tile  
has been awarded with  
**European Medal**  
XXIV Edition



module length	350 mm
profile height	35 mm
fold height	25 mm
total width	~1179 mm
effective width	1080 mm
coverings	glossy polyester, coarse matt, PURLAK, PURMAT, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch-up paint



\* To join the sheets along their length, it is necessary to consider folds  
– 30 mm in the front and 35 mm in the back. Total of folds in a sheet with full back crease is 65 mm.

## Original steel sheet labelling

### Steel sheet tiles

#### The label contains:

- the manufacturer's name
  - the date of manufacturing
  - the number of the production order
- BLACHY PRUSZYŃSKI  
21/06/2010 44418

### Flat sheet

#### The label contains:

- the manufacturer's name
  - the colour code
- BLACHY PRUSZYŃSKI  
PS RAL 028/04

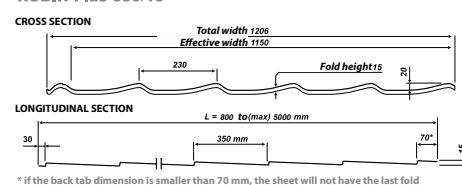




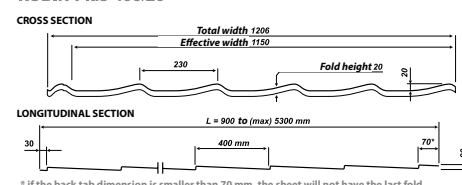


Steel tile is one of the most economical roofing materials. Thanks to its light weight (ca. 4.7 kg) it does not require the use of heavy roof truss structure, which results, among other things in decrease in use of timber. The weight of materials is also very important in the case of old roof renovation, whose construction deteriorated with time.

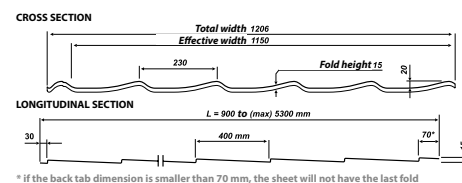
RUBIN Plus 350/15



RUBIN Plus 400/20

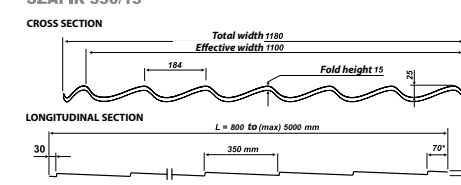


RUBIN Plus 400/15

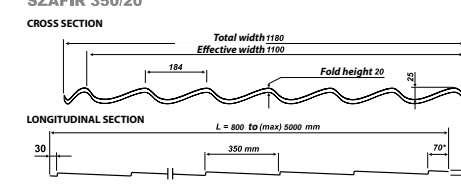


module length	350 mm or 400 mm
profile height	20 mm
fold height	15 mm or 20 mm
total width	1206 mm
effective width	1150 mm
coverings	glossy polyester, coarse matt, PURLAK, PURMAT, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch-up paint

SZAFIR 350/15

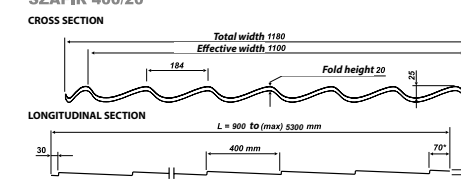


SZAFIR 350/20



module length	350 mm or 400 mm
profile height	25 mm
fold height	15 mm or 20 mm
total width	1180 mm
effective width	1100 mm
coverings	glossy polyester, coarse matt, PURLAK, PURMAT, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch-up paint

SZAFIR 400/20



Wide range of colours and the possibility of adjusting steel tiles to various surfaces allows for fitting the roof to elevation and surrounding. Due to the fact that sheets are produced with defined length, the quantity of wasted material is cut down to minimum. Lying of steel roofing is one of the cheapest and the fastest. Blachy Pruszyński steel tiles have guarantee period of 10 to 30 years (depending on the type of coating).



SZAFIR steel roofing tiles have been awarded with the 13th edition of Teraz Polska (Now Poland) Polish Promotional Emblem





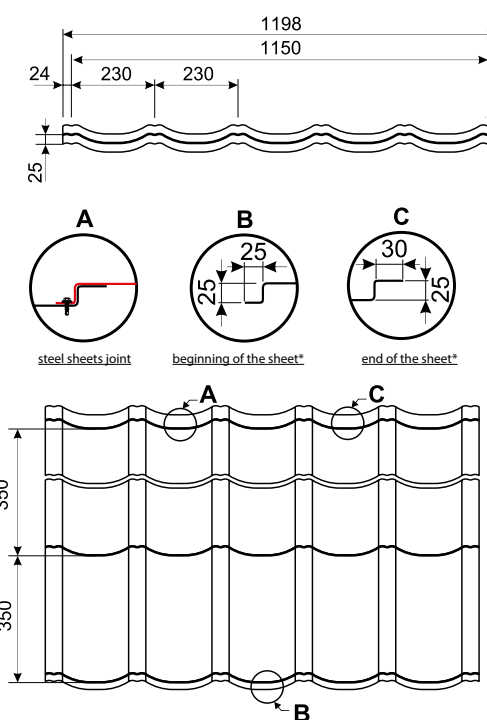


**GRYF roof tiles** is a roof tile offered to customers, who prefer roof tiles in sheets cut as per specified size. It is suitable for roof of straight construction. When using GRYF, you can save time and cost, but keep visual advantages as of TUR roof panel.

module length	350 mm
profile height	25 mm
fold height	25 mm
total width	~1197 mm
effective width	1150 mm
coverings	glossy polyester, coarse matt, PURLAK, PURMAT, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch-up paint

**PURLAK® | PURMAT®**

and all other coverings  
and colors from our offer



\* To join the sheets along their length, it is necessary to consider folds – 25 mm in the front and 30 mm in the back. Total of folds in a sheet with full back crease is 55 mm.

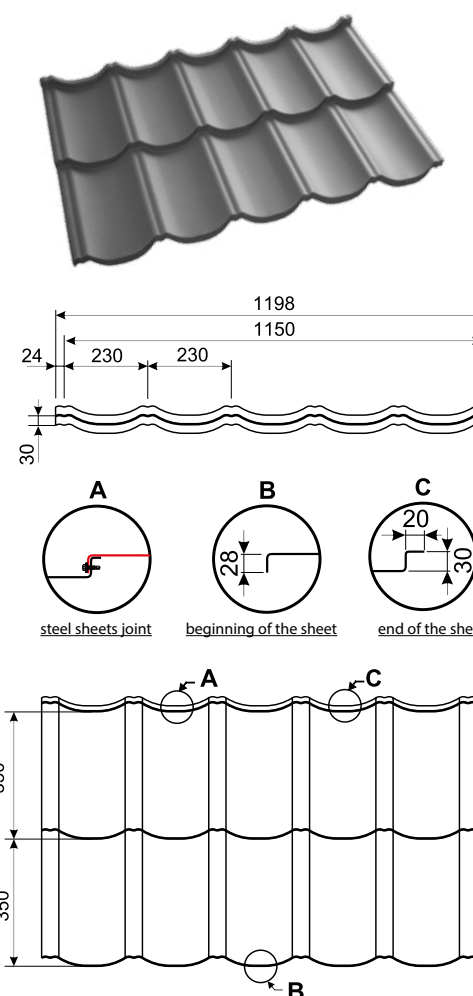


**TUR panel roof tile** is available as one and two module panels. This new shape has extended our offer of panel roof tiles, which is the widest on the market. Panel roof tiles are available on the stock. It is a very good for roofs with complicated slope, which ensures the minimum of wasted steel.

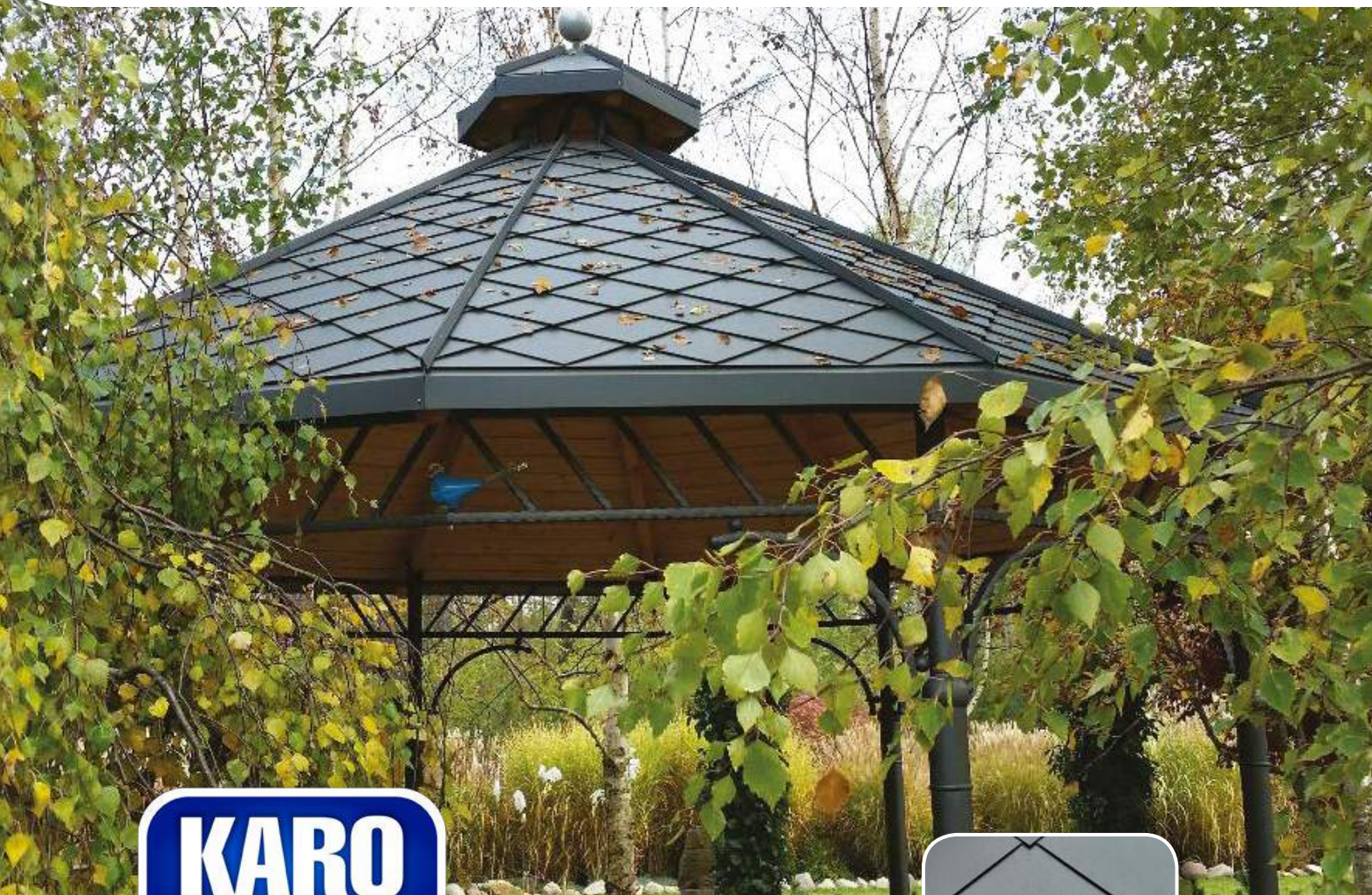
module length	350 mm
profile height	25 mm
fold height	30 mm
total width	1198 mm
effective width	1150 mm
coverings	glossy polyester, coarse matt, PURLAK, PURMAT, PURMAX
weight of 1 m <sup>2</sup>	4,7 kg/m <sup>2</sup>
accessories	screws, seals, sealing collars, flashings, touch-up paint

**PURLAK® | PURMAT®**

and all other coverings  
and colors from our offer







**Karo panels** made of covered steel are suitable for those, who would like the original look of the roof. Panels are available in coarse matt and PURMAT, however there is a possibility to produce in any other covering or color from our offer. It could be assembled on the roof with full boarding with clasp. The interesting shape of this covering ensures the unique outlook of the roof.

Karo panels are perfect as chimney envelope and elevation.

dimension of panels	555x555, 345x345, 245x245 mm
steel thickness	0,5 mm
assembly	on the fully boarded roof with clasps
coverings	glossy polyester, coarse matt, PURLAK, PURMAT, PURMAX
accessories	clasps, sealing tapes, flashings



KARO 555 PANEL  
- Starting



KARO 345 PANEL  
- Starting



KARO 245 PANEL  
- Starting



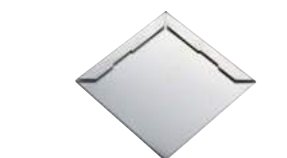
CLASP  
- fixing accessory



KARO 555 PANEL  
pcs/m<sup>2</sup> - 3,25



KARO 345 PANEL  
pcs/m<sup>2</sup> - 8,4



KARO 245 PANEL  
pcs/m<sup>2</sup> - 16,67



KARO Panels was awarded  
with **Gold Medal**  
MTP BUDMA



# Standing seam roofing panels



**NA RĄBEK**  
PANEL DACHOWY



Roof sheets with so-called standing seam are one of the oldest technologies used in building constructions. We offer modern solutions in traditional, familiar from many years shape of roofing tile with standing seam.

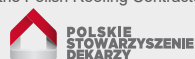
The panels are manufactured in any length depending on the customer's needs. Connecting the panels takes place by means of a fasteners without the need to bend the seam, and each panel has ready assembly holes to facilitate fixing to the structure. The use of longitudinal profiling on panels is designed to limit the possible undulations of the surface due to the thermal expansion of the material.

PANEL PD-510 – N (P, T or F)  
Each type of panel is available without cut locks.



effective width	510 mm
height of the seam	25 mm
raw material	S 250 GD + Z 200 or 275
recommended max. length of the sheet	7 mb
minimal length of the sheet	0,5 mb
thickness	0,50/0,70 mm
coating	glossy polyester, coarse matt, PURLAK, PURMAT, PURMAX
accessories	screws, nails, sealing tapes
application	Covering of roofs with minimal slope 8° (14%)

Recommended by the Polish Roofing Contractors Association



Our roof panel with standing seam was awarded with Medal MTP BUDMA 2012

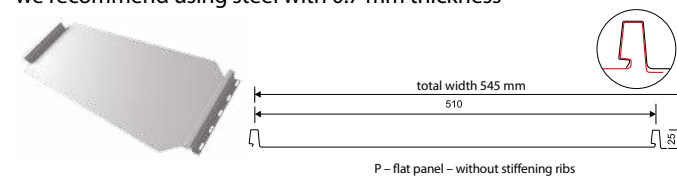


EUROPEAN MEDAL EDITION XXI

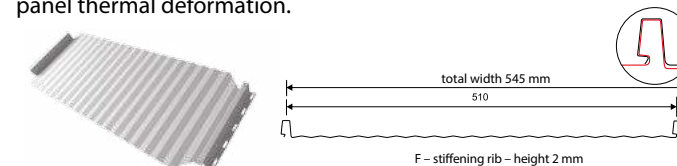


**NOVELTY**

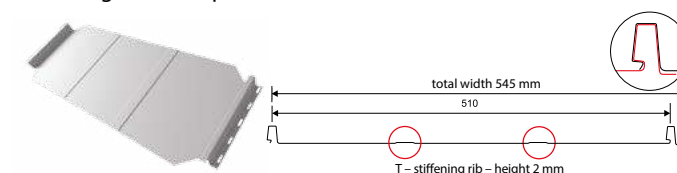
PANEL PD-510-S P  
Classic flat panel surface. In this configuration we recommend using steel with 0.7 mm thickness



PANEL PD-510-S F (microwave)  
Totally new panel surface folding. A small wave practically eliminates panel thermal deformation.

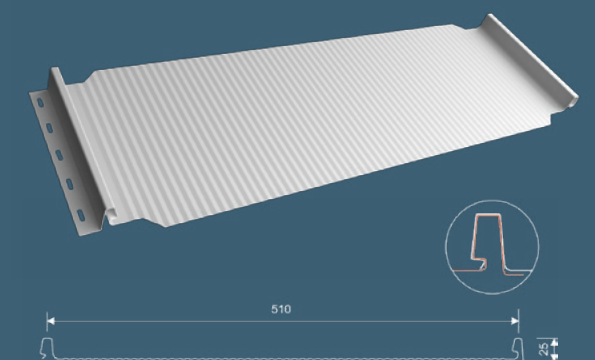


PANEL PD-510-S T (microtrapez)  
Two longitudinal folds reduce possible creasing of the roofing surface resulting from temperature variations.



PANEL PD-510-SN (nano-wave)

The application of nano-wave profiling improves the stiffness of the panel, which visually is an excellent alternative to the classic flat surface. This type of panel is available only with undercuts.



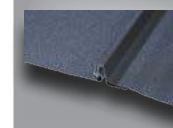
UNDER BARREL RIDGE



The assembly of ridge is on the barrel ridge without the need to process the ridge and use the seals.

version PD-510-S

PANEL JOINTS



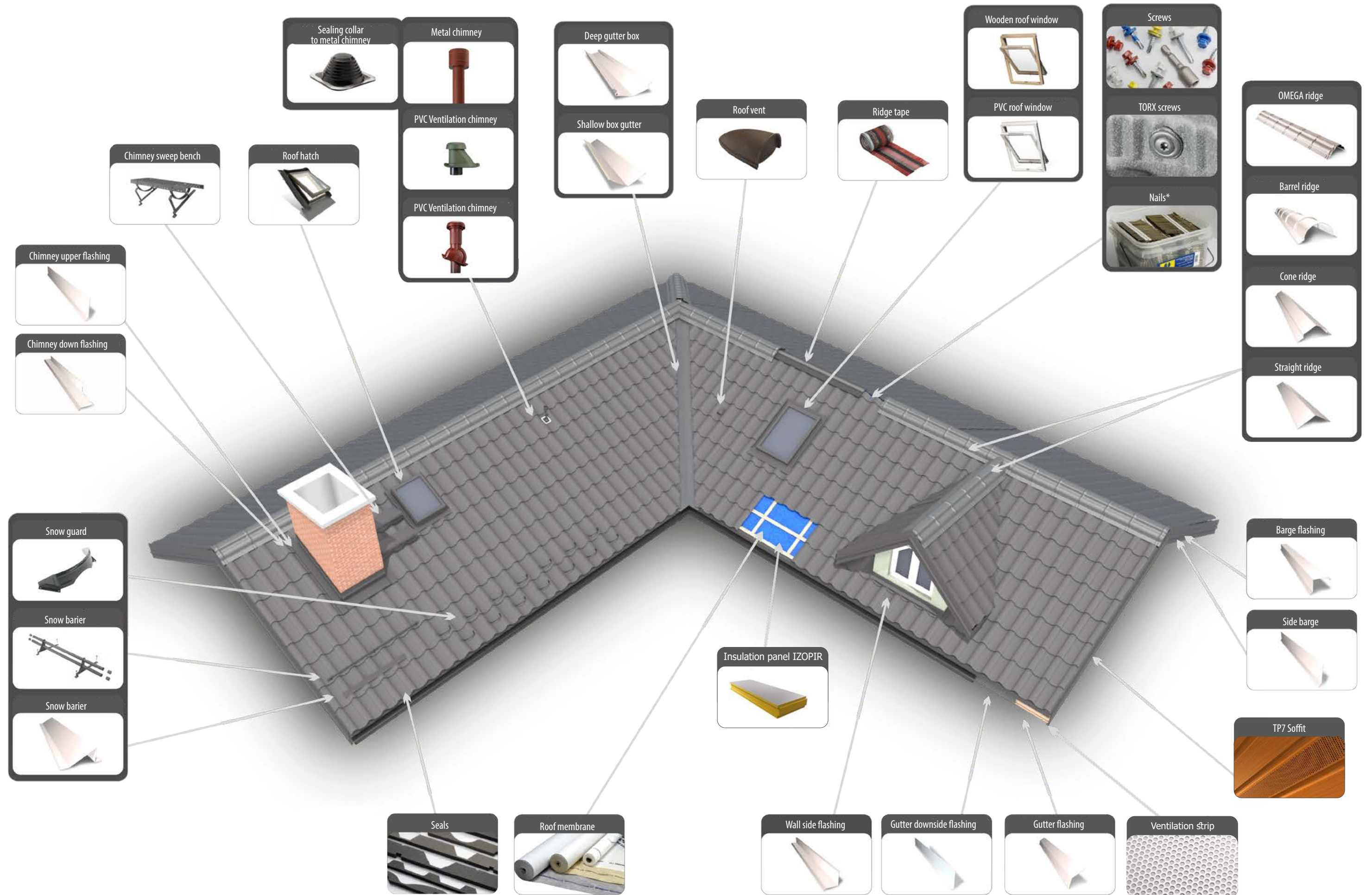
In case of the need to disassemble, the new joint allows to separate panels without damaging them.

ASSEMBLY FLASHING



Panels are equipped with a flashing with openings allowing to assemble them directly to the roof construction.





\*to be used with REGLE roof panel





## Roof windows AURA

The line of windows manufactured by experienced Scandinavian manufacturer according to specification created exclusively for our company.

We offer our customers 3 types of windows: superb wooden windows GOLD, outstanding wooden or PVC line SILVER, and economic version BRONZE.

### GOLD+ PVC line windows

GOLD+ PVC are the most advanced windows made of PVC profile strengthened with aluminium profile which guarantees durability and protection from humidity. This fact makes them an excellent choice for kitchens and bathrooms. This window is easy to install and each package contains step-by-step assembly manual.

Triple glazed pane delivers brilliant thermal parameters - Ug 0,8 W/m²K and Uw 1,1 W/m²K.



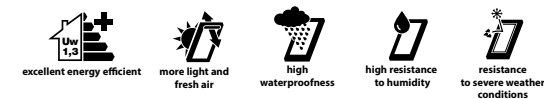
### Window from line GOLD+

AURA GOLD Window is produced with wooden frame made of selected pinewood. All resources are from renewable forests and signed by FSC certificate. Special collar with foamed polyuthelane ensures minimum loss of heat and better insulation. Self-cleaning layer on AURA GOLD glass prevents from formation of dirt or deposits.



### PVC window from SILVER line

AURA SILVER PVC window is made of toughened, aluminium PVC profile which guarantees durability and protection against humidity, which makes them perfect for kitchen and bathrooms. Waterproofness class E15000 – unique protection against water penetration. Built-in ventilation with grid, which unable to get in of insects and dust with simultaneous room ventilating.



### Window from SILVER line

Window is produced with wooden frame made of selected pinewood which is covered with fungicidal and insecticide impregnation. Built-in ventilation with grid, which unable to get in of insects and dust with simultaneous room ventilating. Window silver is protected with double layer of varnish.



### Window from BRONZE line

Wooden window, made of selected pinewood.

Main characteristics of BRONZE windows are:

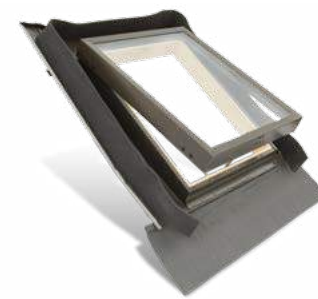
- Resistance to severe weather conditions such as rainstorm, sleet or intensified snow owing to hardened external glass
- Optimized air circulation owing to two passive ventilation position in roof handle



## ROOF HATCH WINDOW

dimension

45x73



Roof hatch is used for no heated and unoccupied spaces. Integrated collar provides perfect tightness and easy assembly in all kinds of roof coverings. AURA hatch can be assembled in roofs of pitch 15 to 60 degrees. Double pane package 14mm(3-8-3). Two methods of opening: up or on side.

## COLLARS FOR ROOF WINDOWS

flat		combo	
symbol	dimension	symbol	dimension
KPS GP 55x78	55x78	KFK 13E GP	78x118
KPS GP 55x98	55x98	KFK 2E GP	78x118
KPS GP 66x118	66x118	KFK 46E GP	78x118
KPS GP 78x98	78x98	KFK 5E GP	78x118
KPS GP 78x118	78x118	KFK 13E GP	78x140
KPS GP 78x140	78x140	KFK 2E GP	78x140
corrugated		KFK 46E GP	78x140
symbol	dimension	KFK 5E GP	78x140
KFS GP 55x78	55x78	to the seam	
KFS GP 55x98	55x98	symbol	dimension
KFS GP 66x118	66x118	KRS GP 78x118	78x118
KFS GP 78x98	78x98	KRS GP 78x140	78x140
KFS GP 78x118	78x118		
KFS GP 78x140	78x140		

## ROLLERS

darkening		
colour	symbol	dimension
dark blue	DURC2A 4212	55x78
	DURF6A 4212	66x118
	DURM4A 4212	78x98
	DURM6A 4212	78x118
beige	DURM8A 4212	78x140
	DURC2A 4219	55x78
	DURF6A 4219	66x118
	DURM4A 4219	78x98
white	DURM6A 4219	78x118
	DURM8A 4219	78x140
	DURC2A 4208	55x78
	DURF6A 4208	66x118
light darkening		
colour	symbol	dimension
dark blue	RHR CXA 4312	szer. 55
	RHR FXA 4312	szer. 66
	RHR MXA 4312	szer. 78
	RHR CXA 4319	szer. 55
beige	RHR FXA 4319	szer. 66
	RHR MXA 4319	szer. 78
awning		
colour	symbol	dimension
black	MIR CXA 4260	szer. 55
	MIR FXA 4260	szer. 66
	MIR MXA 4260	szer. 78



external		
colour	symbol	dimension
grey	SHR C2A	55x78
	SHR F6A	66x118
	SHR M4A	78x98
	SHR M6A	78x118
	SHR M8A	78x140



Internal and external rollers are high quality products suitable for all AURA® and do not require any additional regulating.

Therefore it is very easy to install it. All you need is follow the instruction attached to every roller. On the top part of window sash there is a data plate with model and measurements of the roof window.

**DARKENING ROLLER BLIND DUR.** Even 100% of darkening – ideal for bedrooms or rooms where high scope of light regulation is compulsory.

**LIGHT DARKENING ROLLER RHR.** Effectively spread the light. Allows to stop the roller in 3 fixed positions.

**AWNING MIR.** External awning, which protects against heating and reduces the noise of rain.

**EXTERNAL ROLLER SHR.** External roller which ensures safety, suppress the external noises and prevents form sun heating.

## ASSEMBLY ACCESSORIES

**THERMAL INSULATION COLLAR FROM EXPANDED POLYETHYLENE IFC.** Perfect thermal insulation and sealing of the window. IFC collar makes sealed frame around the window to protect the interior against heat loss.

**COLLAR OF WATER VAPOUR PERMABILITY RUC.** Reduces the time of roof window assembly. Designed to protect the roof and ensure waterproofness of roof construction.

**EXTENDED HANDLE ZAR.** ZAR handle are suitable for all windows. Handles are produced from metal and finished with rubber. Available in length 80and 120cm.

**ELECTRICAL OPENER AMC.** Electrical opener AMC 100 allows to regulate the width of the opened window from 10cm up to 40cm., equipped in remote controller. AMC 100 is marked with CE and 2 years warranty.





System 110/90   System 125/90   System 125/100   System 150/100

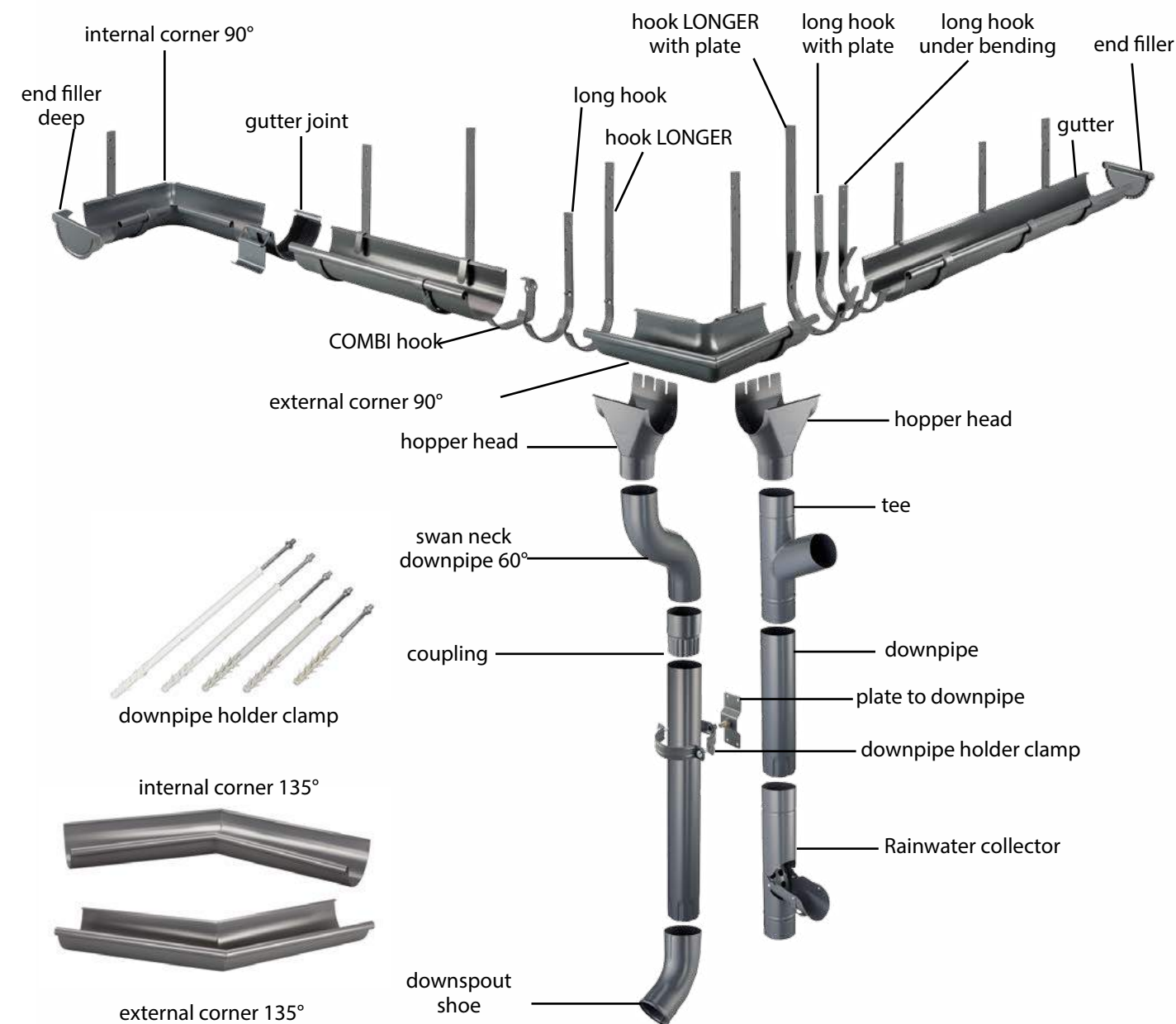
System 150/120   System 150/150   System 190/120   System 190/150

## ■ STEEL GUTTERS POLYURETHANE

**Steel gutters with polyurethane** covering are standing out due to wide pallet of available colours. Thanks to that, it's easy to match colours of gutter system to roof and façade of buildings. Additional advantage is high resistance to change of colours and effects of weathering.

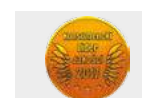
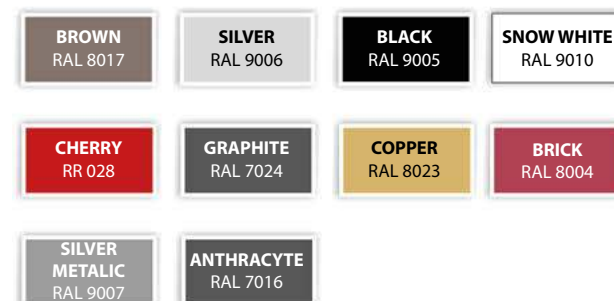
## ■ GALVANISED

The main advantage of **galvanised** gutter system is good price and short time of realization of orders with main properties of NIAGARA Gutter system. This material is perfect for agricultural and industrial facilities, but can be used as well in residential houses.



## COLOURISTIC

### POLYURETHANE



### ALUMINIUM - TYTANIUM



### TITAN-ZINC

### GALVANISED

### COPPER



## ■ ALUMINIUM - TYTANIUM

**Aluminium** gutter system **TYTANIUM** is recommended in surroundings of high pollution, seaside and forested. Due to durability this product was awarded on International Industrial Fairs BUDMA 2015. Use of aluminium means low self-mass and possibility of assembly in temperatures from -15 to +40°C.

## ■ TITAN - ZINC

**TITAN-ZINC** is characterised with classic, elegant look and over 100 years durability. It's available in 2 versions: NATURA and PATYNA. It's used both in new building and during renovations of historic buildings. It has high resistance to corrosion and weather conditions (acid rains included).

## ■ COPPER

**Copper gutters** are considered as most durable system of water disposal. They are exclusive product used during renovating monuments and also in buildings referring to old architecture. Copper is characteristic in very high resistance to weathering. The mechanic durability is also bigger in comparison with other used materials.

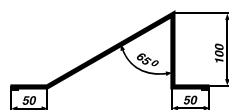


Blachy Pruszyński's Company offers a wide variety of accessories such as: standard and non standard flashings, windows and roof hatches, screws, sealing, sealing collars, roof foils, roof ventilation, touch-up paints and flat sheet.

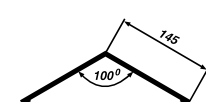
Blachy Pruszyński's offer also includes: production of standard and non-standard flashings, cutting flat sheet from sheets into sections, punching assembly wholes, bending steel on press brake and angle bending machines.

Our plant could also perform flashings from steel thickness 3,0 mm and maximum length 7 m.

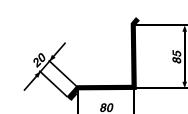
Snow barrier



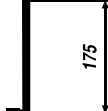
Straight ridge



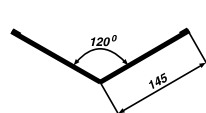
Wall side flashing



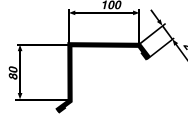
Gutter downside flashing



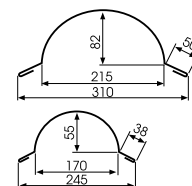
Shallow box gutter



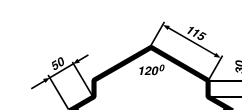
Barge flashing



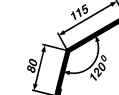
Barrel ridge



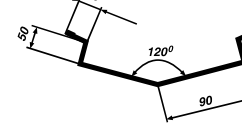
Cone ridge



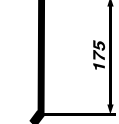
Gutter flashing



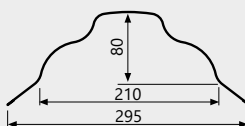
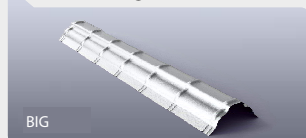
Deep box gutter



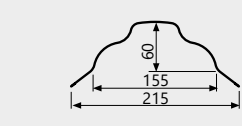
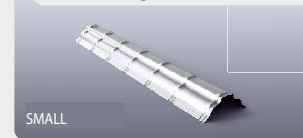
Side barge



OMEGA ridge



OMEGA ridge



OMEGA Ridge was awarded with **Gold Medal** MTP BUDMA



## Soffit from perforated trapezoidal sheet TP7

is solution, which has every advantage to replace standard PVC soffits. Among many advantages we can list:

- possibility of matching colouristic perfectly to colour of roof
- no waving of material and better stiffness than plastic
- resistance to ageing and discoloration
- easiness of assembly
- possibility to order per dimension

Colours available from stock:

- golden oak PS; • walnut – matt PM;
- graphite – matt PMG 023; • black – matt PMG 033;
- brown – matt PMG 8017; • other colours per order.

## Roof communication and snow barriers



We offer full **systems of roof communication and pipes snow barrier system.**

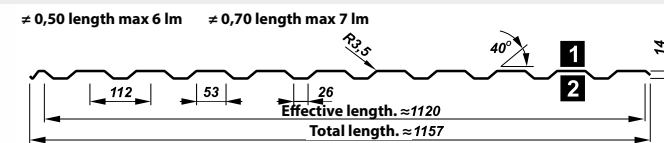
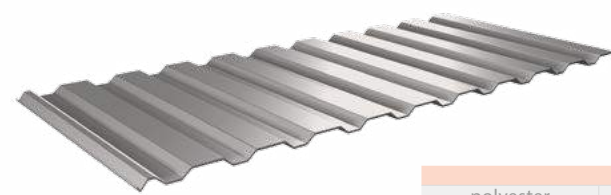
These are the products of the highest quality, produced with high attention to details:

- system is powder painted with deep matt structure;
- painted screws;
- accessible in all our standard colors;
- screws and area of fastening to the cover – secured with EPDM pad;
- packed in cartboard boxes as for euro pallets;
- possibility to deliver directly to the customer by courier.



## TRAPEZOIDAL SHEETS - ROOFING PROFILEST

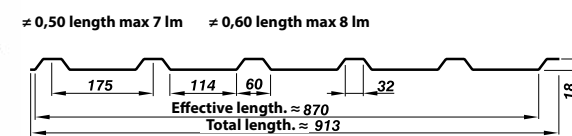
### T 14 trapezoidal sheet - roof



COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

from 0,50 mm to 0,70 mm

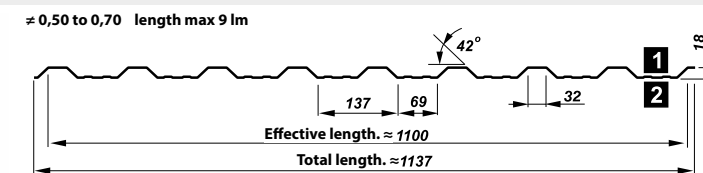
### T 18 galvanised trapezoidal sheet - roof



COATING:					STEEL SHEET THICKNESS:
			zinc 200, 275 g/m <sup>2</sup>		

from 0,50 mm to 0,80 mm

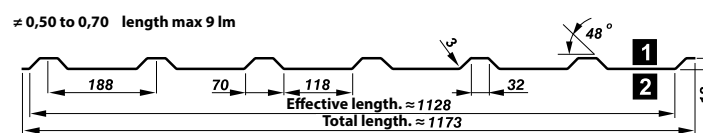
### T 18DR trapezoidal sheet - roof



COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

from 0,50 mm to 0,80 mm

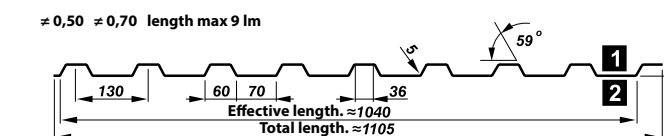
### T 18 trapezoidal sheet - roof



COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

from 0,50 mm to 0,80 mm

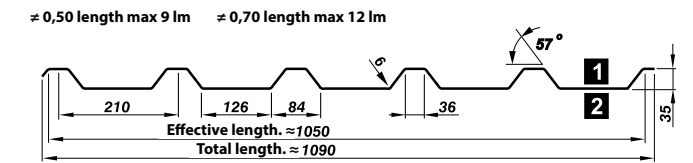
### T 20 trapezoidal sheet - roof



COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

from 0,50 mm to 0,75 mm

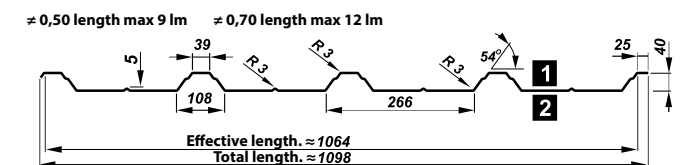
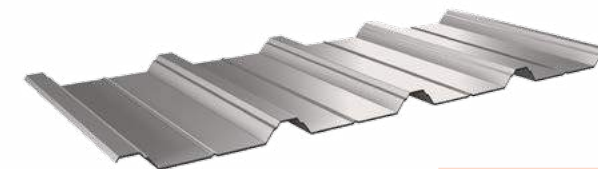
### T 35 trapezoidal sheet - roof



COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

from 0,50 mm to 1,00 mm

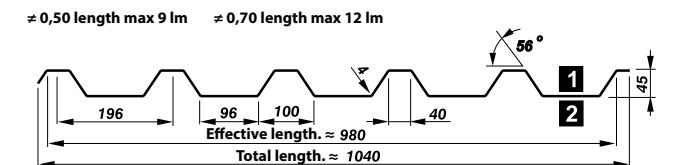
### T 40 trapezoidal sheet - roof



COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

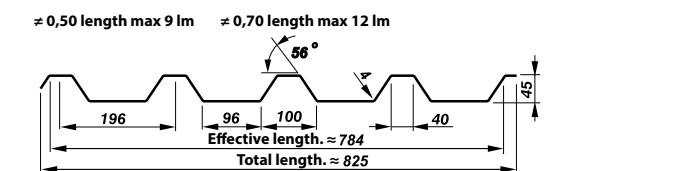
from 0,50 mm to 1,0 mm

### T 45 trapezoidal sheet - roof



COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

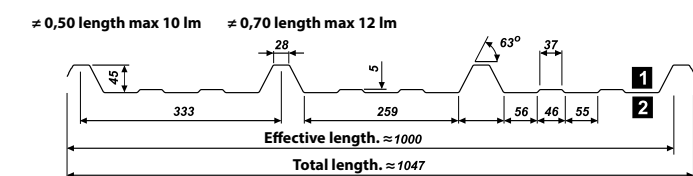
from 0,50 mm to 1,00 mm



COATING:					STEEL SHEET THICKNESS:
			zinc 200, 275 g/m <sup>2</sup>		

from 0,50 mm to 0,88 mm

### T 45P trapezoidal sheet - roof **NOVELTY**



COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

from 0,50 mm to 0,70 mm

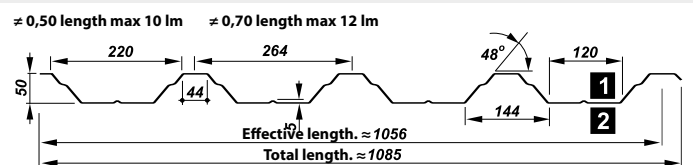
NOTE:

Trapezoidal sheets are suitable for roofing when:

**1** is coated with decorative coating,

**2** is coated with protective coating (primer)

### T 50P trapezoidal sheet - roof

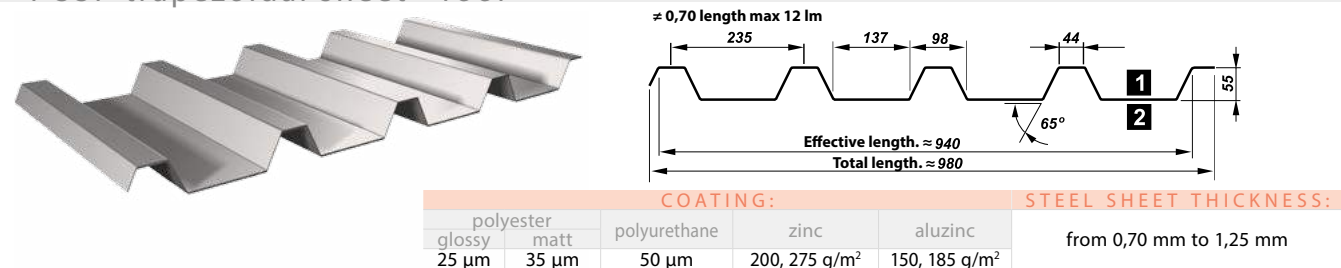


COATING:					STEEL SHEET THICKNESS:
polyester glossy 25 µm	polyester matt 35 µm	polyurethane 50 µm	zinc 200, 275 g/m <sup>2</sup>	aluzinc 150, 185 g/m <sup>2</sup>	

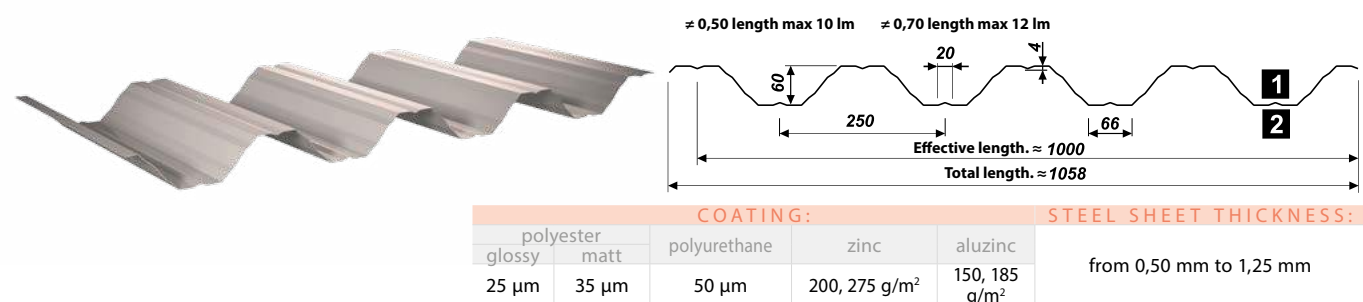
from 0,50 mm to 1,25 mm



## T 55P trapezoidal sheet - roof

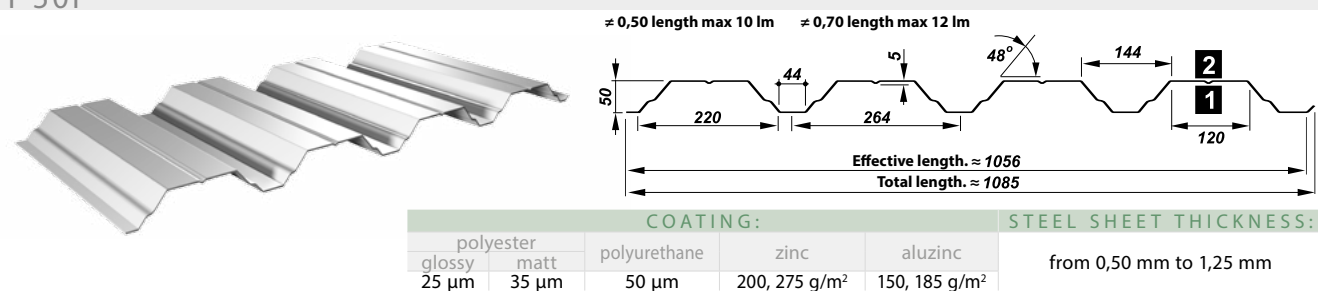


## T 60P trapezoidal sheet - roof **NOVELTY**

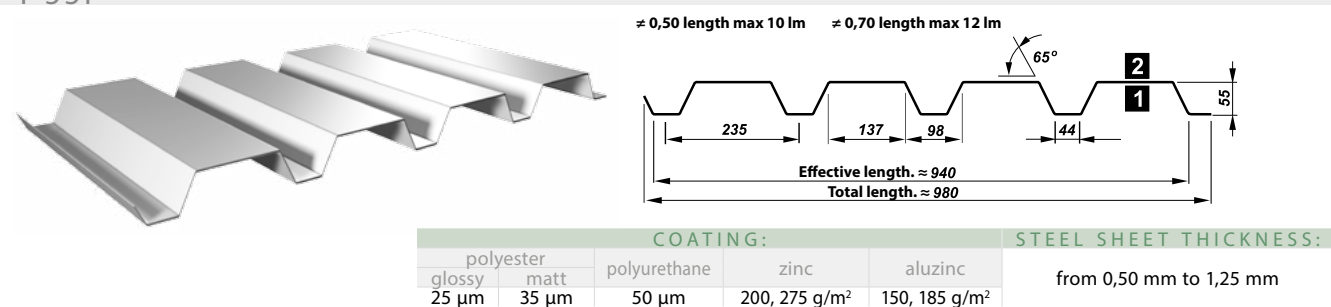


## TRAPEZOIDAL SHEETS - CONSTRUCTION PROFILES

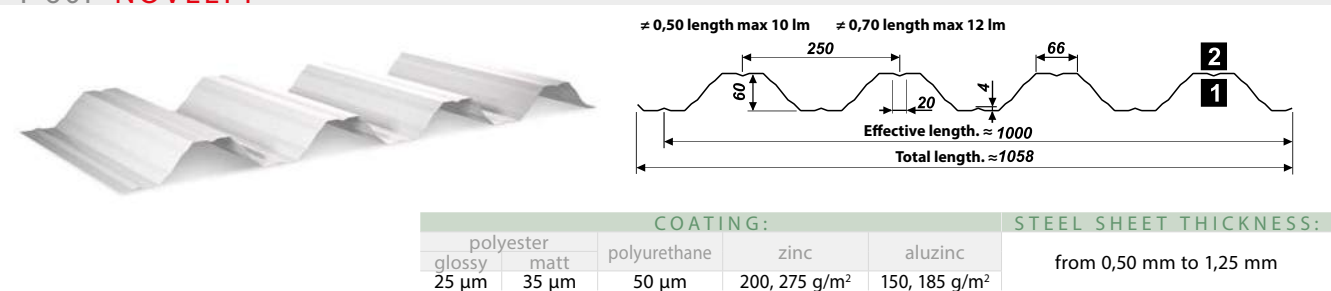
### T 50P



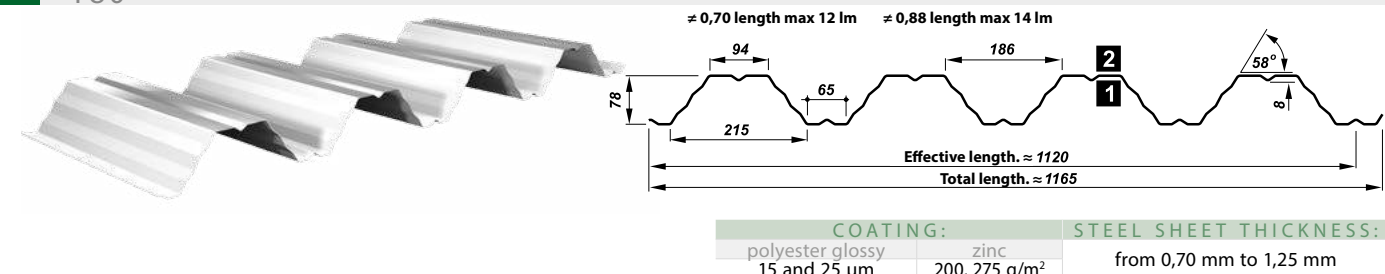
### T 55P



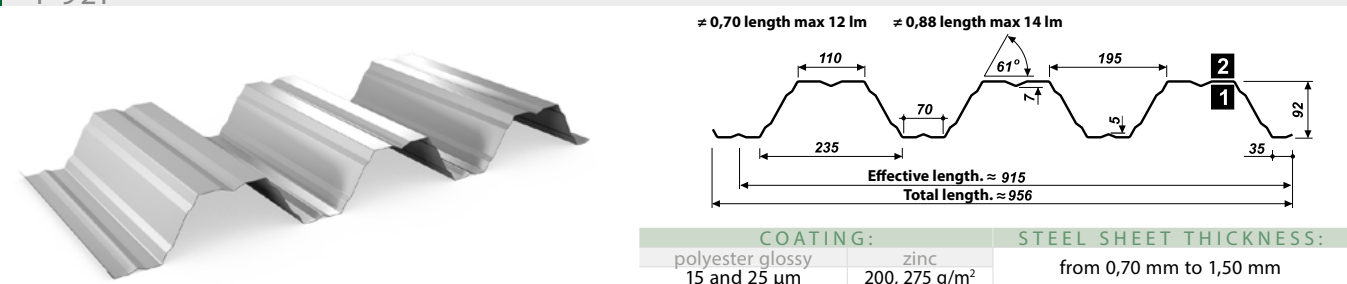
### T 60P **NOVELTY**



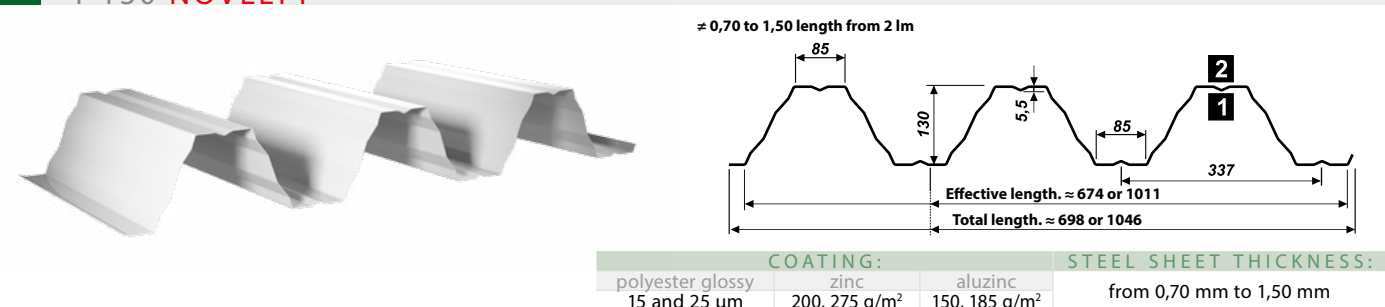
## T80



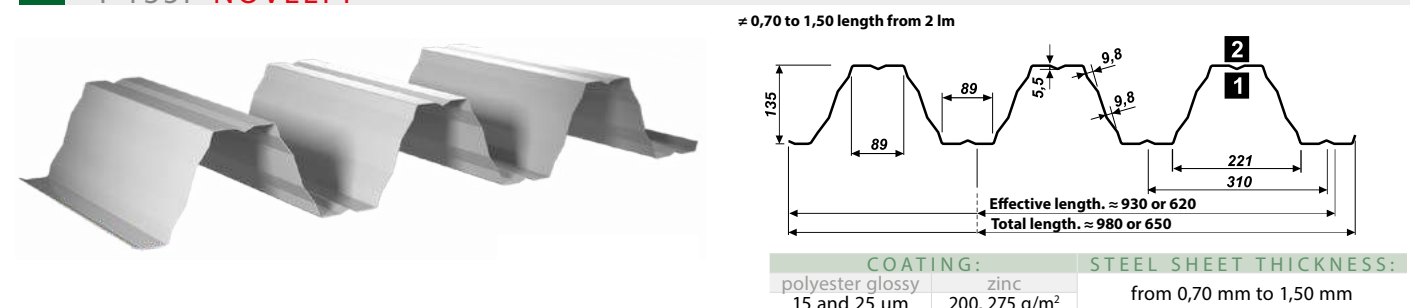
## T 92P



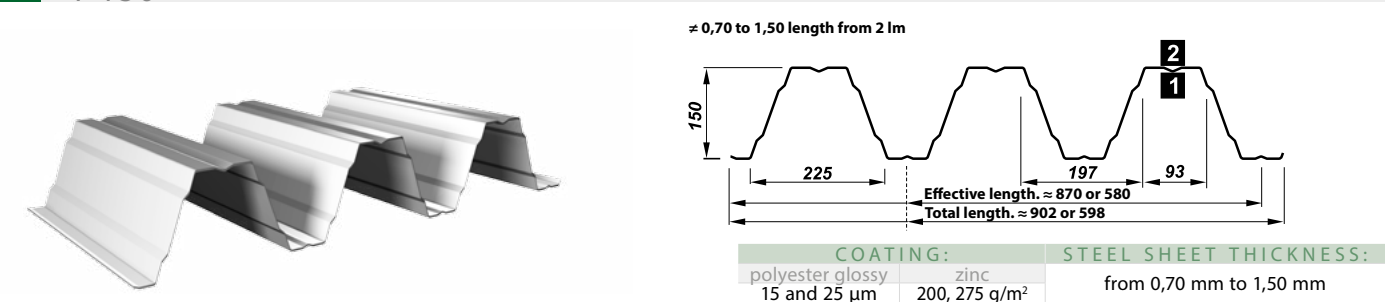
## T 130 **NOVELTY**



## T 135P **NOVELTY**

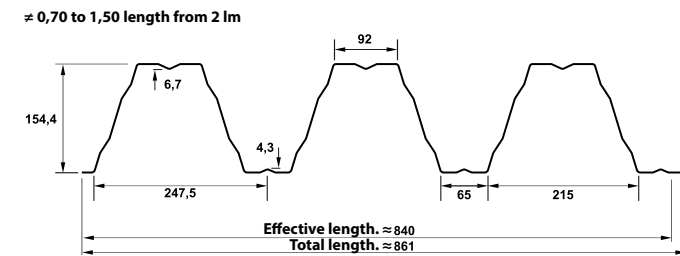


## T 150



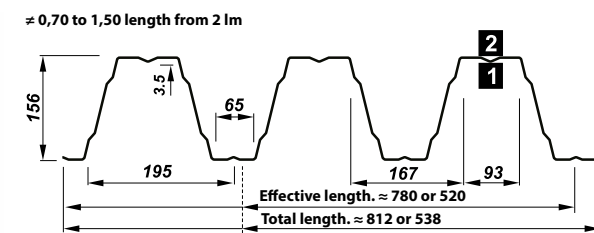
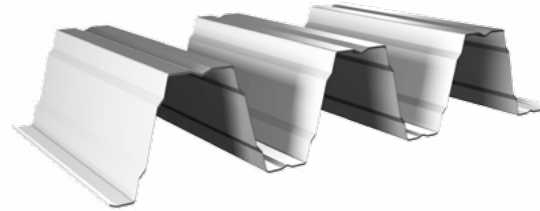


## T 155 NOVELTY



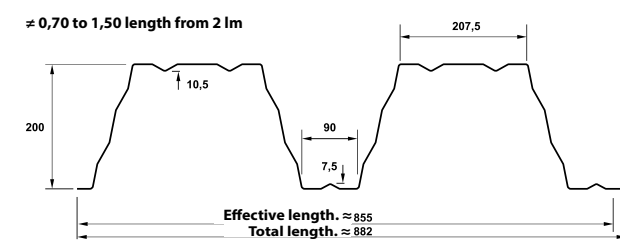
COATING:		STEEL SHEET THICKNESS:	
polyester glossy	zinc	from 0,70 mm to 1,50 mm	
15 and 25 µm	200, 275 g/m <sup>2</sup>		

## T 160



COATING:		STEEL SHEET THICKNESS:	
polyester glossy	zinc	from 0,70 mm to 1,50 mm	
15 and 25 µm	200, 275 g/m <sup>2</sup>		

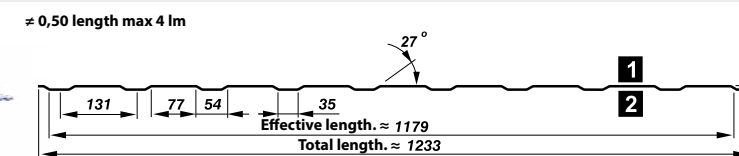
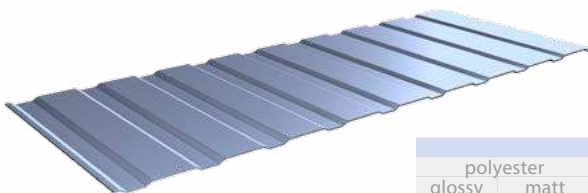
## T 200 NOVELTY



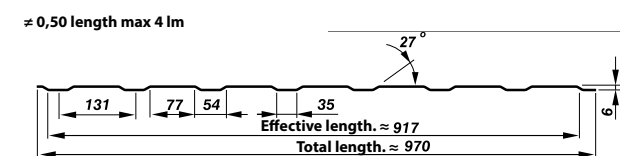
COATING:		STEEL SHEET THICKNESS:	
polyester glossy	zinc	from 0,70 mm to 1,50 mm	
15 and 25 µm	200, 275 g/m <sup>2</sup>		

## TRAPEZODAL SHEETS - ELEVATION PROFILES

### T 6 trapezoidal sheet - elevation

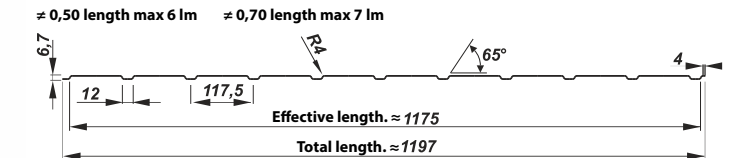
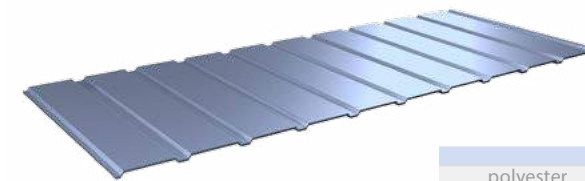


COATING:		STEEL SHEET THICKNESS:	
polyester glossy	zinc	from 0,50 mm to 0,70 mm	
25 µm	200, 275 g/m <sup>2</sup>		



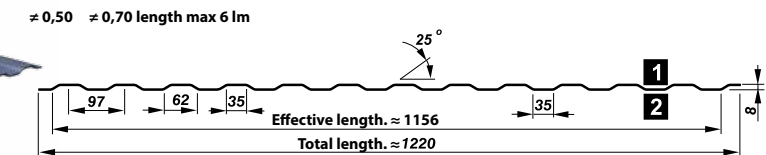
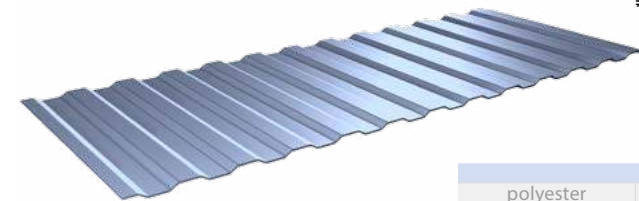
COATING:		STEEL SHEET THICKNESS:	
zinc		from 0,50 mm to 0,70 mm	
200, 275 g/m <sup>2</sup>			

### T 7 trapezoidal sheet - elevation

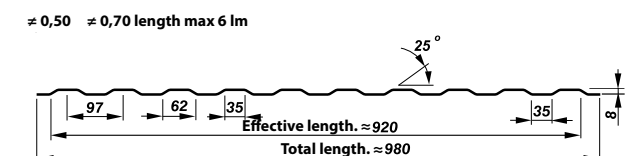


COATING:		STEEL SHEET THICKNESS:	
polyester glossy	zinc	from 0,50 mm to 0,70 mm	
25 µm	200, 275 g/m <sup>2</sup>		

### T 8 trapezoidal sheet - elevation

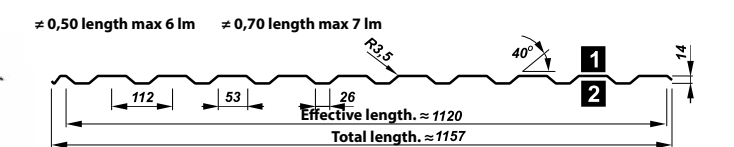
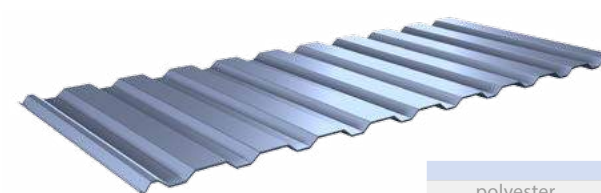


COATING:		STEEL SHEET THICKNESS:	
polyester glossy	zinc	from 0,50 mm to 1,0 mm	
25 µm	200, 275 g/m <sup>2</sup>		



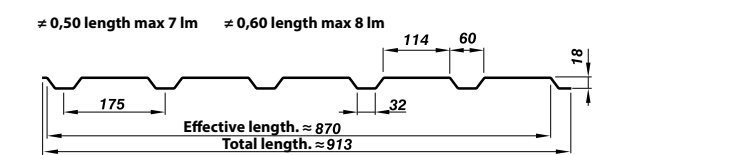
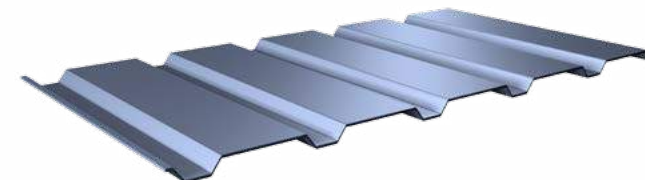
COATING:		STEEL SHEET THICKNESS:	
zinc		from 0,50 mm to 1,0 mm	
200, 275 g/m <sup>2</sup>			

### T 14 trapezoidal sheet - elevation



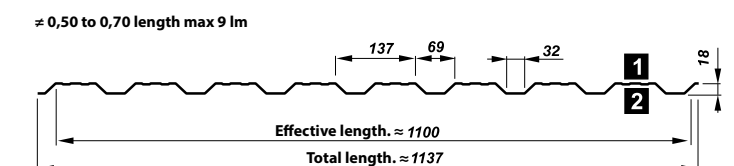
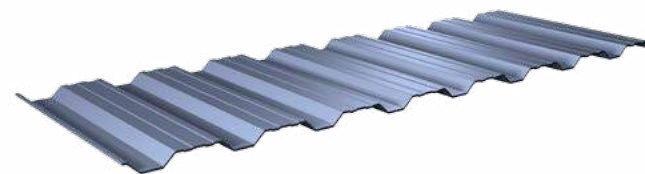
COATING:		STEEL SHEET THICKNESS:	
polyester glossy	zinc	from 0,50 mm to 0,70 mm	
25 µm	200, 275 g/m <sup>2</sup>		

### T 18 galvanised trapezoidal sheet - elevation



COATING:		STEEL SHEET THICKNESS:	
zinc		from 0,50 mm to 0,80 mm	
200, 275 g/m <sup>2</sup>			

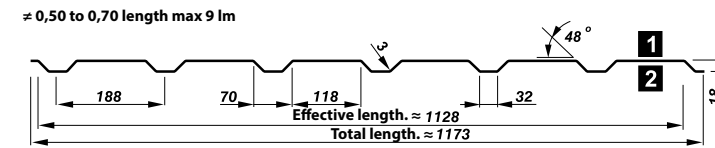
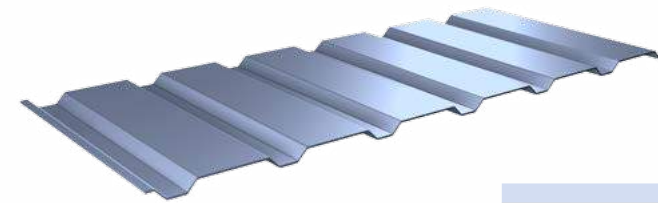
### T 18DR trapezoidal sheet - elevation



COATING:		STEEL SHEET THICKNESS:	
polyester glossy	zinc	from 0,50 mm to 0,70 mm	
25 µm	200, 275 g/m <sup>2</sup>		

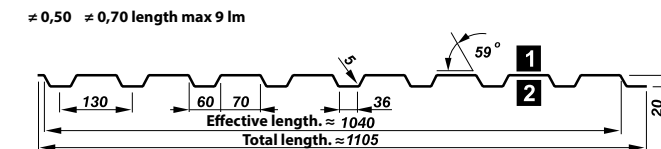
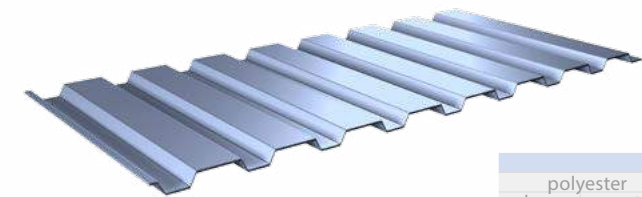


T 18 trapezoidal sheet - elevation



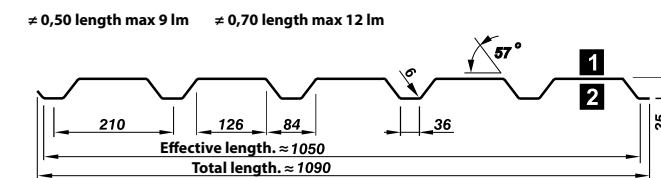
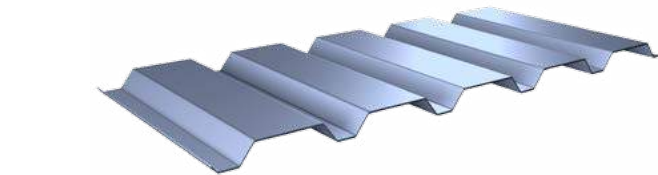
COATING:				STEEL SHEET THICKNESS:
polyester	polyurethane	zinc	aluzinc	from 0,50 mm to 0,75 mm
glossy				
25 µm	50 µm	200, 275 g/m²	150, 185 g/m²	

T 20 trapezoidal sheet - elevation

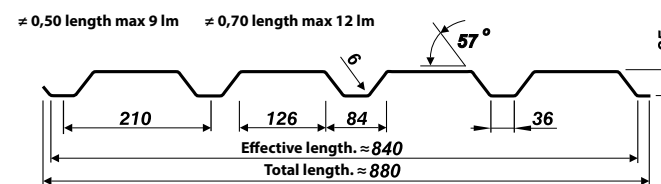


COATING:				STEEL SHEET THICKNESS:
polyester	polyurethane	zinc	aluzinc	from 0,50 mm to 0,75 mm
glossy				
25 µm	50 µm	200, 275 g/m²	150, 185 g/m²	

T 35E trapezoidal sheet - elevation

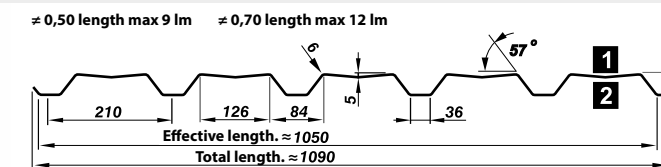
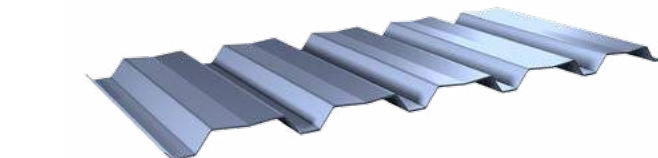


COATING:				STEEL SHEET THICKNESS:
polyester	polyurethane	zinc	aluzinc	from 0,50 mm to 1,00 mm
glossy				
25 µm	50 µm	200, 275 g/m²	150, 185 g/m²	



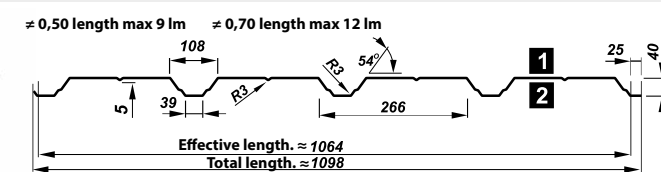
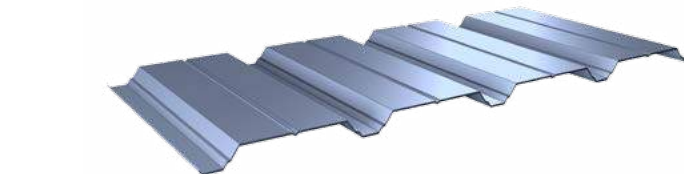
COATING:	STEEL SHEET THICKNESS:
zinc	from 0,50 mm to 1,0 mm
200, 275 g/m²	

T 35EL trapezoidal sheet - elevation



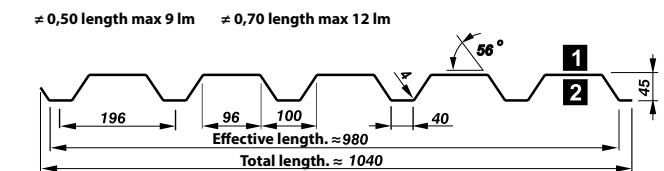
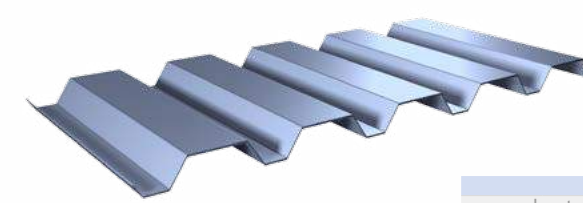
COATING:				STEEL SHEET THICKNESS:
polyester	polyurethane	zinc	aluzinc	from 0,50 mm to 1,00 mm
glossy				
25 µm	50 µm	200, 275 g/m²	150, 185 g/m²	

T 40 trapezoidal sheet - elevation

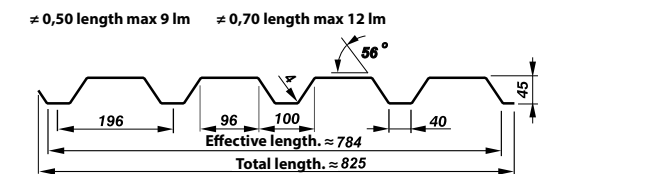


COATING:				STEEL SHEET THICKNESS:
polyester	polyurethane	zinc	aluzinc	from 0,50 mm to 1,0 mm
glossy				
25 µm	50 µm	200, 275 g/m²	150, 185 g/m²	

T 45 trapezoidal sheet - elevation

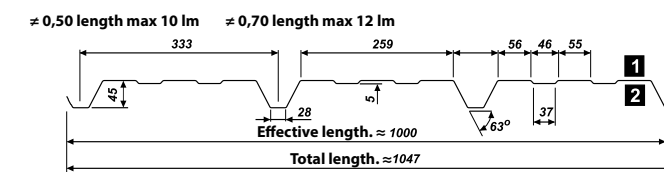


COATING:				STEEL SHEET THICKNESS:
polyester	polyurethane	zinc	aluzinc	from 0,50 mm to 1,0 mm
glossy				
25 µm	50 µm	200, 275 g/m²	150, 185 g/m²	



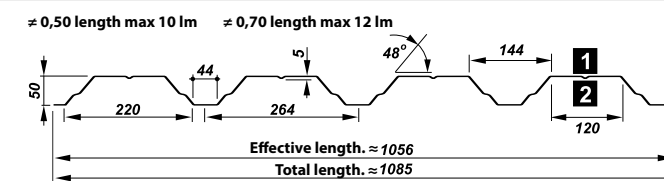
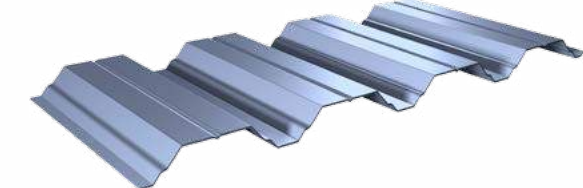
COATING:	STEEL SHEET THICKNESS:
zinc	from 0,50 mm to 1,0 mm
200, 275 g/m²	

T 45P trapezoidal sheet - elevation **NOVELTY**



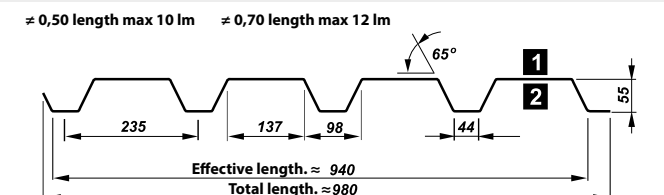
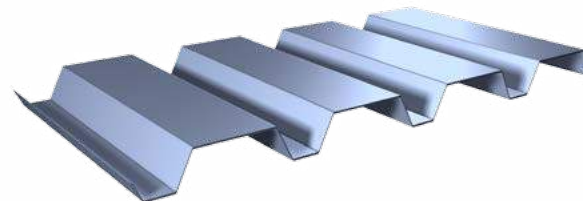
COATING:				STEEL SHEET THICKNESS:
polyester	polyurethane	zinc	aluzinc	from 0,50 mm to 0,70 mm
glossy				
25 µm	50 µm	200, 275 g/m²	150, 185 g/m²	

T 50P trapezoidal sheet - elevation



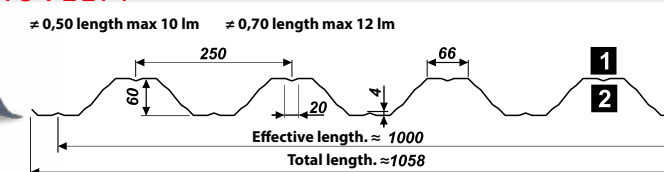
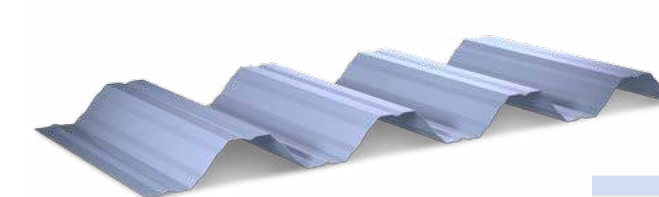
COATING:				STEEL SHEET THICKNESS:
polyester glossy	zinc	aluzinc		from 0,50 mm to 1,25 mm
15 and 25 µm				
	200, 275 g/m²	150, 185 g/m²		

T 55P trapezoidal sheet - elevation



COATING:				STEEL SHEET THICKNESS:
polyester glossy	zinc	aluzinc		from 0,50 mm to 1,25 mm
15 and 25 µm				
	200, 275 g/m²	150, 185 g/m²		

T 60P trapezoidal sheet - elevation **NOVELTY**



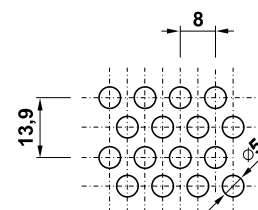
COATING:				STEEL SHEET THICKNESS:
polyester glossy	zinc	aluzinc		from 0,50 mm to 1,25 mm
15 and 25 µm				
	200, 275 g/m²	150, 185 g/m²		

IN ACOUSTIC USE CAN BE USED PERFORATED TRAPEZOIDAL

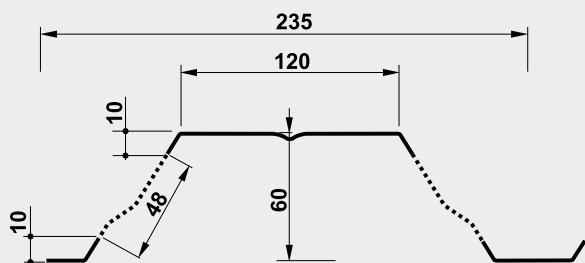


Distribution of perforations for selected trapezoidal profiles is presented below. It is possible to make perforations tailored to customer requirements.

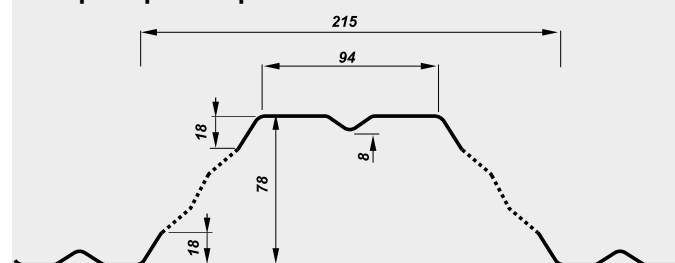
Tape width up to 1500 mm,  
Sheet thickness up to 1,5 mm,  
Opening diameter Ø 3,2 mm Ø 4,0 mm Ø 5,0 mm



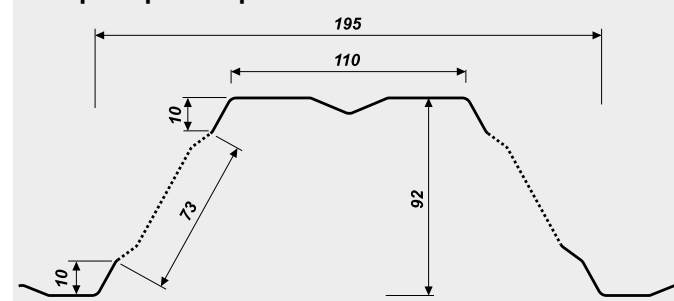
Example of possible perforation T60



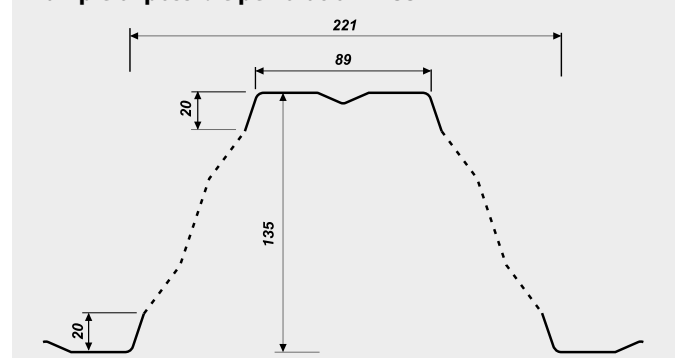
Example of possible perforation T80



Example of possible perforation T92P



Example of possible perforation T135



## Profiles U, C+, Σ+

### Profiles U, C+, Σ+

Blachy Pruszyński company launched new production line for cold-bended profiles with new additional profiles: U, C+, Σ+. What's more, new line is equipped in laser cut, which enables made of different cuts, excisions in any part of profile and bends under purlin bracings.

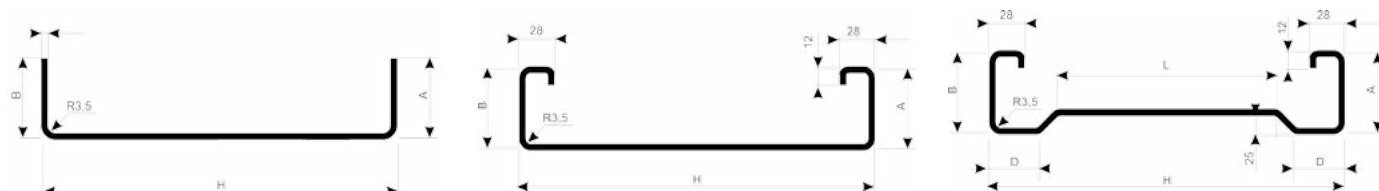


#### Holes

Profiles U, C+, Σ+ can be made with assembly holes (Ø 12 mm, Ø 14 mm, Ø 16 mm, Ø 18 mm, Ø 22 mm, bean 14x25 mm, 19x25 mm)

#### Material

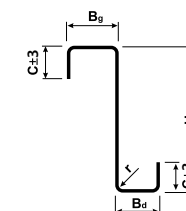
Galvanised steel tape (S350GD, for order grade S290GD) in thickness from 1,5 to 3,5 mm. Due to use and needs, profiles don't need any additional protection, but they can be powder painted..



## Z, C, Σ sections

Z, C, Σ are manufactured from cold rolled steel. Their stiffness and strength parameters allow for wide application in load-bearing structures. Among most typical use of such profiles are the following:

- construction of casing and partition walls,
- laying of floor beams and eaves,
- wall beams,
- roof purlins.



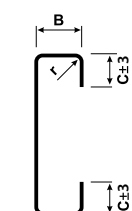
„Z” section

	Sheet thickness mm	Weight kg/m	H mm	Bd mm	Bg mm	C mm
Z 100	1,50	2,64	100	48	53	19
	2,00	3,52	100	48	53	19
	2,50	4,40	100	48	55	19
	3,00	5,28	100	48	55	19
Z 100	1,50	3,00	100	60	68	20
	2,00	4,00	100	60	68	20
	2,50	5,00	100	60	68	20
	3,00	6,00	100	60	68	20
Z 150	1,50	3,24	150	48	53	19
	2,00	4,32	150	48	53	19
	2,50	5,40	150	48	55	19
	3,00	6,48	150	48	55	19
Z 150	1,50	3,60	150	60	68	20
	2,00	4,80	150	60	68	20
	2,50	6,00	150	60	68	20
	3,00	7,20	150	60	68	20
Z 180	1,50	3,96	180	60	68	20
	2,00	5,28	180	60	68	20
	2,50	6,60	180	60	68	20
	3,00	7,92	180	60	68	20
Z 200	1,50	3,84	200	48	53	18
	2,00	5,12	200	48	53	18
	2,50	6,40	200	48	55	18
	3,00	7,68	200	48	55	18
Z 200	1,50	4,20	200	60	68	20
	2,00	5,60	200	60	68	20
	2,50	7,00	200	60	68	20
	3,00	8,40	200	60	68	20
Z 250	1,50	4,80	250	60	68	20
	2,00	6,40	250	60	68	20
	2,50	8,00	250	60	68	20
	3,00	9,60	250	60	68	20
Z 250	1,50	4,97	250	65	75	20
	2,00	6,62	250	65	75	20
	2,50	8,24	250	65	75	20
	3,00	9,89	250	65	75	20
Z 300	1,50	5,69	300	65	75	21
	2,00	7,58	300	65	75	21
	2,50	9,32	300	65	75	21
	3,00	11,18	300	65	75	21
Z 350	1,50	6,24	350	65	75	24
	2,00	8,32	350	65	75	24
	2,50	10,40	350	65	75	24
	3,00	12,48	350	65	75	24
Z 400	1,50	6,79	400	65	75	23
	2,00	9,06	400	65	75	23
	2,50	11,32	400	65	75	23
	3,00	13,58	400	65	75	23
Z 350	1,50	6,48	350	75	85	24
	2,00	8,64	350	75	85	24
	2,50	10,80	350	75	85	24
	3,00	12,96	350	75	85	24
Z 400	1,50	7,08	400	75	85	23
	2,00	9,44	400	75	85	23
	2,50	11,80	400	75	85	23
	3,00	14,16	400	75	85	23

These sections are the supplement to light development system and cladding for industrial, commercial and service facilities.

#### Openings

Z, C, Σ sections may have assembly openings (Ø 14 mm, Ø 18 mm, bean shaped 19x25 mm). This makes their assembly with screws or rivets easier. Because of the possibility to

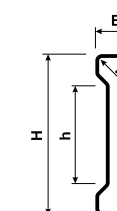


„C” section

	Sheet thickness mm	Weight kg/m	H mm	B mm	C mm
C 100	1,50	2,64	100	48	18
	2,00	3,52	100	48	18
	2,50	4,36	100	48	18
	3,00	5,23	100	48	18
C 100	1,50	2,88	100	60	19
	2,00	3,84	100	60	19
	2,50	4,76	100	60	19
	3,00	5,71	100	60	19
C 150	1,50	3,24	150	48	18
	2,00	4,32	150	48	18
	2,50	5,36	150	48	18
	3,00	6,43	150	48	18
C 150	1,50	3,60	150	60	19
	2,00	4,80	150	60	19
	2,50	5,96	150	60	19
	3,00	7,15	150	60	19
C 200	1,50	3,84	200	48	18
	2,00	5,12	200	48	18
	2,50	6,36	200	48	18
	3,00	7,63	200	48	18
C 200	1,50	4,20	200	60	22
	2,00	5,60	200	60	22
	2,50	6,96	200	60	22
	3,00	8,35	200	60	22
C 250	1,50	4,50	250	48	19
	2,00	6,00	250	48	19
	2,50	7,40	250	48	19
	3,00	8,88	250	48	19
C 250	1,50	4,80	250	60	22
	2,00	6,40	250	60	22
	2,50	7,96	250	60	22
	3,00	9,55	250	60	22
C 300	1,50	5,02	300	48	18
	2,00	6,69	300	48	18
	2,50	8,28	300	48	18
	3,00	9,94	300	48	18
C 300	1,50	5,33	300	60	21
	2,00	7,10	300	60	21
	2,50	8,72	300	60	21
	3,00	10,46	300	60	21
C 350	1,50	6,26	350	75	20
	2,00	8,35	350	75	20
	2,50	10,40	350	75	20
	3,00	12,48	350	75	20
C 400	2,50	11,32	400	75	20
	3,00	13,58	400	75	20

#### Material

Galvanised steel tape (grade S280 GD or S350 GD), from 1.50 to 3.00 mm thick. Depending on their use and requirements, sections do not need any additional protection, although they can be powder painted.



„Σ” section

	Sheet thickness mm	Weight kg/m	H mm	h mm	B mm
Σ 140	1,50	3,84	140	30	70
	2,00	5,12	140	30	70
	2,50	6,24	140	30	70
	3,00	7,49	140	30	70
Σ 170	1,50	4,20	170	60	70
	2,00	5,60	170	60	70
	2,50	6,84	170	60	70
	3,00	8,21	170	60	70
Σ 200	1,50	4,56	200	90	70
	2,00	6,08	200	90	70
	2,50	7,44	200	90	70
	3,00	8,93	200	90	70
Σ 230	1,50	4,96	230	120	70
	2,00	6,56	230	120	70
	2,50	8,04	230	120	70
	3,00	9,65	230	120	70
Σ 260	1,50	5,28	260	150	70
	2,00	7,04	260	150	70
	2,50	8,64	260	150	70
	3,00	10,37	260	150	70
Σ 300	1,50	5,76	300	190	70
	2,00	7,68	300	190	70
	2,50	9,44	300	190	70
	3,00	11,33	300	190	70
Σ 350	1,50	6,36	350	240	70
	2,00	8,48	350	240	70
	2,50	10,44	350	240	70
	3,00	12,53	350	240	70



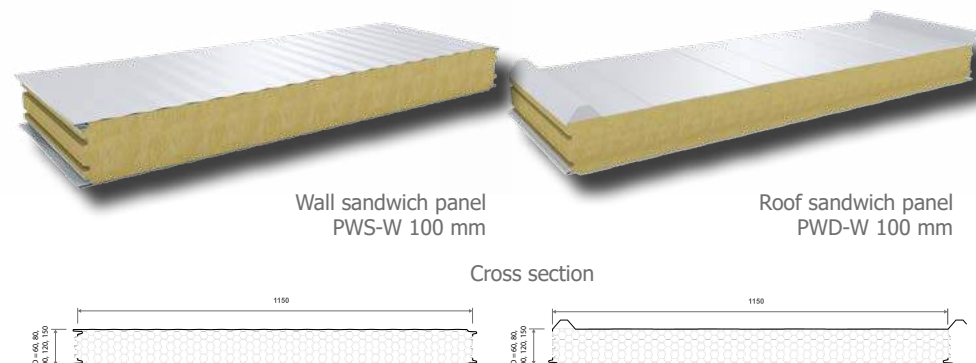
<http://www.pruszynski.com.pl/aplikacje.php>

**THIS IS THE PROGRAM FOR SELECTION OF THIN-WALLED PURLINS.**





PWS-W and PWD-W wall sandwich panels and PWD-S roof sandwich panels with mineral wool core consist of two sheet steel outer claddings and a structural-insulating core. Outer claddings are made of 0,5 mm thick sheet steel with metallic and organic coatings. Core of panels is made of mineral wool of density 120 kg/m<sup>3</sup> – roof and wall panels.



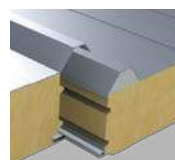
symbol / thickness	Production profile of sandwich panels Wall sandwich panel	Roof sandwich panel
PWS-W 60 PWD-W 60		
PWS-W 80 PWD-W 80		
PWS-W 100 PWD-W 100		
PWS-W 120 PWD-W 120		
PWS-W 150 PWD-W 150		

Basic technical data					
Core thickness	60	80	100	120	150
Effective width [mm]	1150				
Total width [mm]	wall 1170, roof 1220				
Cladding thickness [mm]	0,5				
Core [kg/m <sup>3</sup> ]	Mineral wool with density of 120				
Cladding colour	election of colours on offer				
min. length of panel [mb]	2				
max length of panel* [mb]	14 (depending on the colour)				
weight 1 m <sup>2</sup> [kg]	15,05 kg	16,85 kg	19,85 kg	22,85 kg	25,8 kg
Temperature penetration coefficient - U (W/m <sup>2</sup> K)	0,66	0,54	0,41	0,33	0,28
Type of outside profile	T- trapezoidal / M- micro-trapezoidal / F - wave				
Type of interior profiling	T- trapezoidal / M- micro-trapezoidal				
Anticorrosive coating	glossy polyester, polyurethane, PVDF, Colorcoat HPS200 Ultra®, aluzinc				

\* length / colour (minimum length – 2 lm)  
max up to 6 lm - (dark colours) RAL 9006, RAL 3016, RR28, RAL 8017, RAL 8016, RR032, RAL 9005, RAL 8004, RAL 7024, RAL 5010, RAL 6005  
max up to 9 lm - (light colours), RAL 7000, RAL 7035, RAL 1021  
max up to 14 lm - (very light colours) RAL 9010, RAL 9002



Wall sandwich panel joint lock



Roof sandwich panel joint lock

PWS-W and PWD-W Pruszyński sandwich panels have a special lock, designed to significantly increase fire tightness. Milled wool at the joint increases the insulating characteristics of the panel as well as its tightness.



More information you can find at:  
<http://www.pruszynski.com.pl/foldery.php>  
Catalogue of sandwich panels with mineral wool core



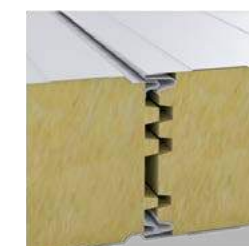
Sandwich panels made of mineral wool (ECO) are offered only as wall panels. Density of core is lowered to 80kg/m<sup>3</sup>. Because of that their properties in thermal insulation are better. They are also lighter with provides many advantages on building site in ex. to lifting this panels can be used crane of lower capacity. Other properties, such as acoustic insulation, fire reaction and fire resistance are on comparable level as standard wool panels.



Production profile of sandwich panels symbol / thickness	
PWS-W 100 ECO	
PWS-W 120 ECO	
PWS-W 150 ECO	
PWS-W 180 ECO	
PWS-W 210 ECO	
PWS-W 240 ECO	

Basic technical data						
Core thickness	100	120	150	180	210	240
Effective width [mm]	1150					
Total width [mm]	1170					
Cladding thickness [mm]	0,5					
Core [kg/m <sup>3</sup> ]	Mineral wool with density of 80					
Cladding colour	election of colours on offer					
min. length of panel [mb]	2					
max length of panel* [mb]	14 (depending on the colour)					
weight 1 m <sup>2</sup> [kg]	16,17	18,17	20,17	22,57	24,97	27,37
Temperature penetration coefficient - U (W/m <sup>2</sup> K)	0,38	0,30	0,25	0,21	0,18	0,16
Type of outside profile	T- trapezoidal / M- micro-trapezoidal / F - wave					
Type of interior profiling	T- trapezoidal / M- micro-trapezoidal					
Anticorrosive coating	glossy polyester, polyurethane, PVDF, Colorcoat HPS200 Ultra®, aluzinc					

\* length / colour (minimum length – 2 lm)  
max up to 6 lm - (dark colours) RAL 9006, RAL 3016, RR28, RAL 8017, RAL 8016, RR032, RAL 9005, RAL 8004, RAL 7024, RAL 5010, RAL 6005  
max up to 9 lm - (light colours), RAL 7000, RAL 7035, RAL 1021  
max up to 14 lm - (very light colours) RAL 9010, RAL 9002



Lock of Wall sandwich panel



More information you can find at:  
<http://www.pruszynski.com.pl/foldery.php>  
Catalogue of sandwich panels with mineral wool core





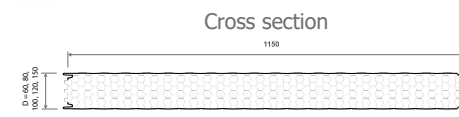
Acoustic sandwich panels are made of core layer and two steel sheet metallic supports:

- external standard
- internal perforated - line 30% perforation.

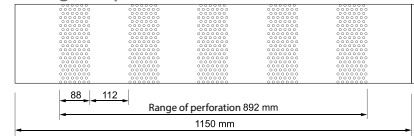
Outer claddings are made of 0,5 mm thick steel with mineral and organic coatings. The core is made of mineral wool with 120 kg/m<sup>3</sup> density. Wall panels with effective length 1150 mm allow for an easy and quick assembly for various constructions using appropriate fitting ports.



Acoustic Wall sandwich panel  
PWS – WA 100mm



Range of perforation



Production profile of sandwich panels  
symbol / thickness

PWS-WA 60	
PWS-WA 80	
PWS-WA 100	
PWS-WA 120	
PWS-WA 150	

Basic technical data					
Core thickness	60	80	100	120	150
Effective width [mm]	1150				
Total width [mm]	1170				
Cladding thickness [mm]	0,5				
Core [kg/m <sup>3</sup> ]	Mineral wool with density of 120				
Cladding colour	election of colours on offer				
min. length of panel [mb]	2				
max length of panel* [mb]	14				
weight 1 m <sup>2</sup> [kg]	15,05	16,85	19,85	22,85	25,80
Temperature penetration coefficient - U (W/m <sup>2</sup> K)	0,66	0,54	0,41	0,33	0,28
Type of outside profile	T- trapezoidal / M- micro-trapezoidal / F - wave				
Type of interior profiling	P - floor				
Anticorrosive coating	glossy polyester, polyurethane, PVDF, Colorcoat HPS200 Ultra*, aluzinc				

\* length / colour (minimum length – 2 lm)  
max up to 6 lm - (dark colours) RAL 9006, RAL 3016, RR28, RAL 8017, RAL 8016, RR032, RAL 9005, RAL 8004, RAL 7024, RAL 5010, RAL 6005  
max up to 9 lm - (light colours), RAL 7000, RAL 7035, RAL 1021  
max up to 14 lm - (very ligh colours) RAL 9010, RAL 9002



Lock of Wall  
sandwich panel

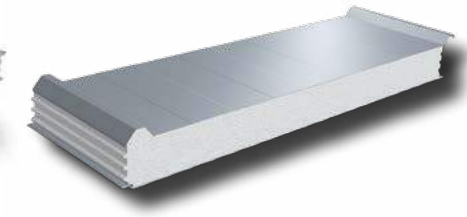


TOP BUILDER 2016  
for acoustic sandwich panels

PWS-S, PWS-S (styrofoam core) and PWS-W, PWD-W (wool core) sandwich panels are made of two steel sheet metallic supports and a construction and insulation core layer. External metallic supports are made of 0.5 mm thick steel sheet and are covered with metallic and organic coating. The core layer is made of self-extinguishing styrofoam density: 16.2 kg/m<sup>3</sup>.

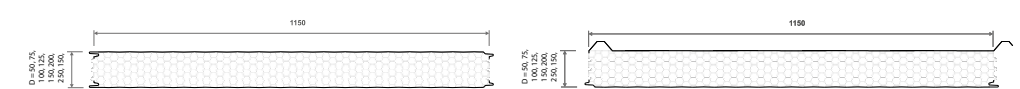


Wall sandwich panel  
PWS-S 100 mm



Roof sandwich panel  
PWD-S 100 mm

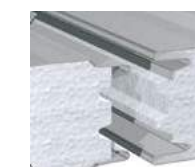
Cross section



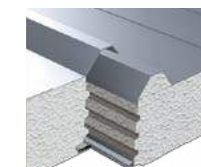
Production profile of sandwich panels		
symbol / thickness	Wall sandwich panel	Roof sandwich panel
PWS-S 50		
PWJ-S 50		
PWD-S 50		
PWS-S 75		
PWJ-S 75		
PWD-S 75		
PWS-S 100		
PWJ-S 100		
PWD-S 100		
PWS-S 125		
PWJ-S 125		
PWD-S 125		
PWS-S 150		
PWJ-S 150		
PWD-S 150		
PWS-S 200		
PWJ-S 200		
PWD-S 200		
PWS-S 250		
PWJ-S 250		
PWD-S 250		

Basic technical data						
Core thickness	50	75	100	125	150	200
Effective width [mm]	1150					
Total width [mm]	wall 1170, roof 1220					
Cladding thickness [mm]	0,5					
Core [mm]	Styrofoam with the density of 16.2					
Cladding colour	Selection of colours on offer					
min. length of panel [mb]	2					
max length of panel* [mb]	14 (depending on the colour)					
weight 1 m <sup>2</sup> [kg]	8,66	9,06	9,47	9,88	10,28	11,09
Temperature penetration coefficient - U (W/m <sup>2</sup> K)	0,75	0,51	0,39	0,31	0,26	0,20
Thermal resistance - R (W/m <sup>2</sup> K)	1,23	1,86	2,49	3,12	3,74	4,99
Type of outside profile	T- trapezoidal / M- micro-trapezoidal / F - wave					
Type of interior profiling	T- trapezoidal / M- micro-trapezoidal					
Anticorrosive coating	glossy polyester, polyurethane, PVDF, Colorcoat HPS200 Ultra*, aluzinc					

\* length / colour (minimum length – 2 lm)  
max up to 6 lm - (dark colours) RAL 9006, RAL 3016, RR28, RAL 8017, RAL 8016, RR032, RAL 9005, RAL 8004, RAL 7024, RAL 5010, RAL 6005  
max up to 9 lm - (light colours), RAL 7000, RAL 7035, RAL 1021  
max up to 14 lm - (very ligh colours) RAL 9010, RAL 9002



Wall sandwich panel  
joint lock



Roof sandwich panel  
joint lock



EUROPEAN MEDAL  
FOR PWS-S SANDWICH PANEL  
Medal awarded by the Office  
for European Integration,  
Business Centre Club  
and European Economic  
and Social Committee,  
For products and services  
with quality  
at the European level

More information you can find at:  
<http://www.pruszynski.com.pl/foldery.php>  
Catalogue of sandwich panels with mineral wool core

More information you can find at:  
<http://www.pruszynski.com.pl/foldery.php>  
Catalogue of sandwich panels with styrofoam core





CE

CE

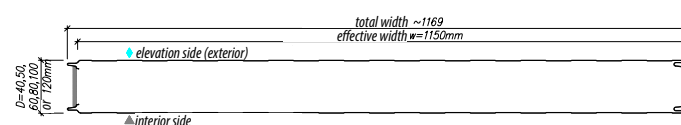


**PIRTECH**  
wall sandwich panel - standard

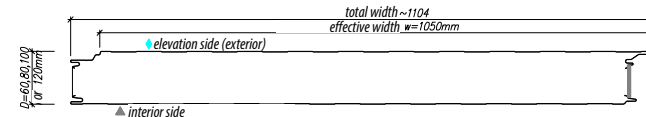


**PIRTECH**  
wall sandwich panels PLUS

cross section



cross section



core	polyurethane PIR
thickness of panels [mm]	40, 50, 60, 80, 100, 120
effective width [mm]	1000, 1150
total width [mm]	1020, 1169
weight of 1m <sup>2</sup> [kg]	9,40 - 12,6
minimal length of panel [mb]	2,0
maximum length of panel [mb]	18*
thickness of steel sheets ext./int. [mm]	0,5/0,4 0,4 - 0,7 / 0,4 - 0,63 for order
Lambda ratio [W/mK]	0,023
type of external profile	trapezoidal -T micro-trapezoidal - M wave - F
type of internal profile	trapezoidal - T
coverings	polyester glossy, polyurethane, Colorcoat HPS200 Ultra®
accessories	fastening elements, seals, flashings

core	polyurethane PIR
thickness of panels [mm]	60, 80, 100, 120 mm
effective width [mm]	1000, 1050 mm
total width [mm]	1054, 1104 mm
weight of 1m <sup>2</sup> [kg]	11,04 - 14,5 kg
minimal length of panel [mb]	2,0 mb
maximum length of panel [mb]	18 mb*
thickness of steel sheets ext./int. [mm]	0,5/0,4 0,4 - 0,7 / 0,4 - 0,63 for order
Lambda ratio [W/mK]	0,023
type of external profile	trapezoidal -T micro-trapezoidal - M wave - F
type of internal profile	trapezoidal - T
coverings	polyester glossy, polyurethane, Colorcoat HPS200 Ultra®
accessories	fastening elements, seals, flashings

\* - applicable form only colours from I group – very light

type of profiles:



\*\* - available only for outer claddings



**STRESS DISTRIBUTOR**

Stress distributor is necessary element used during assembly of PIRTECH PLUS Sandwich Panels with hidden joint. Not using it can lead to decrease of carrying capacity of panels for 30%. It has 3 holes for easy placing of fasteners towards construction. It's meant to use 2 fasteners for one such element.



**EUROPEAN MODEL 2017**  
for wall and roof sandwich panels PIRTECH  
Prize given by European Affairs, Business Centre Club and European Committee Economical  
– Social for products and services presenting european quality

CE

CE

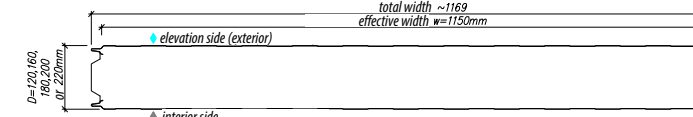


**PIRTECH**  
cold storage sandwich panels



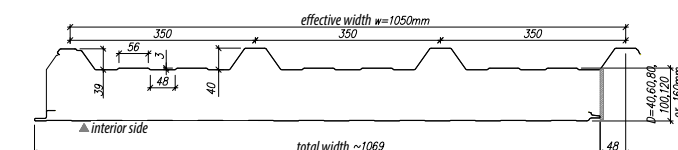
**PIRTECH**  
roof sandwich panels

cross section



core	polyurethane PIR
thickness of panels [mm]	120, 160, 180, 200, 220
effective width [mm]	1000, 1150
total width [mm]	1020, 1169
weight of 1m <sup>2</sup> [kg]	14,5 - 20,5
minimal length of panel [mb]	2,0
maximum length of panel [mb]	18*
thickness of steel sheets ext./int. [mm]	0,5/0,4 0,5 - 0,7 / 0,5 - 0,63 for order
Lambda ratio [W/mK]	0,023
type of external profile	trapezoidal -T micro-trapezoidal - M wave - F
type of internal profile	trapezoidal - T
coverings	polyester glossy, polyurethane, Colorcoat HPS200 Ultra®
accessories	fastening elements, seals, flashings

cross section



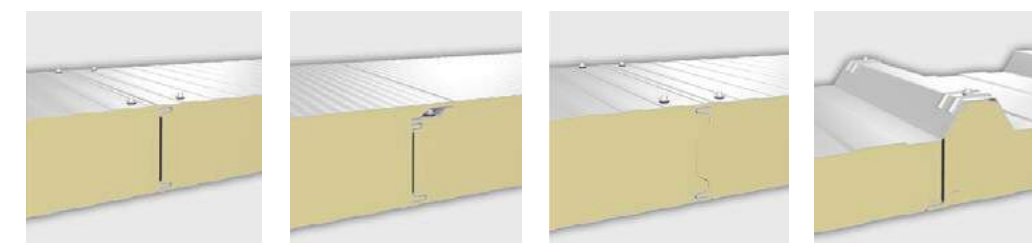
core	polyurethane PIR
thickness of panels [mm]	40, 60, 80, 100, 120, 160
effective width [mm]	1050
total width [mm]	1069
weight of 1m <sup>2</sup> [kg]	9,40
minimal length of panel [mb]	2,5
maximum length of panel [mb]	18*
thickness of steel sheets ext./int. [mm]	0,5/0,4 0,4 - 0,7 / 0,4 - 0,63 for order
Lambda ratio [W/mK]	0,023
type of external profile	trapezoidal T40
type of internal profile	trapezoidal - T
coverings	polyester glossy, polyurethane, Colorcoat HPS200 Ultra®
accessories	fastening elements, seals, flashings

\* - applicable form only colours from I group – very light

## Types of PIRTECH panels

	STANDARD -ST	PLUS -PL	COLD STORAGE -CH	ROOF
name				
signature	PWS-PIR-ST	PWS-PIR-PL	PWS-PIR-CH	PWD-PIR

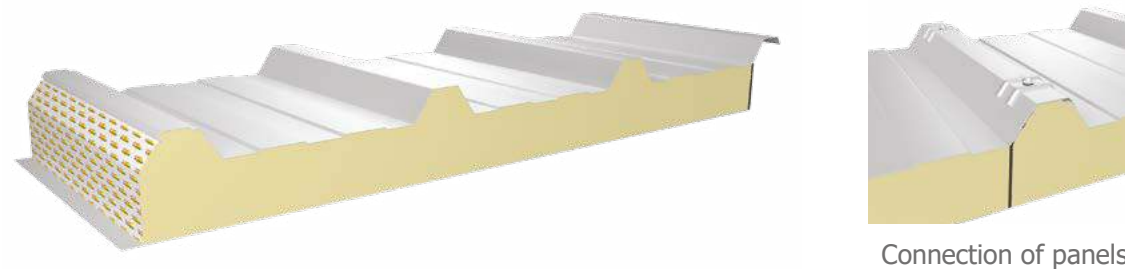
lock





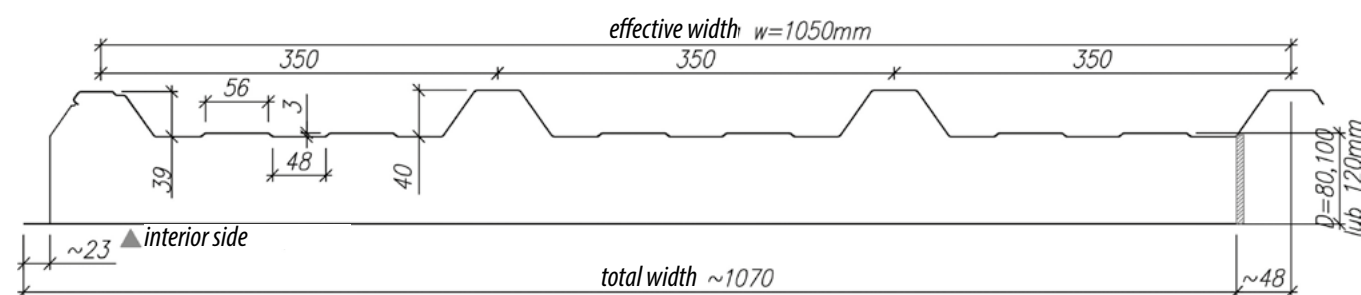


## Roof panels AGROPIR



Connection of panels

Cross section



AGROPIR panels is product for agricultural and industrial buildings, where interior cladding has to be resistant for different chemical factors, ammoniac and humidity. In this panels interior cladding is made of Fibre-Glass laminate. This laminate is composed from glass fibre and polyester resins. Core of panels is made of polyurethane foam PIR, which guarantees higher fire resistance.

### Properties of interial coatings

- Very high chemical resistance
- Water absorption – less than 1%
- Operating temperatue from -40°C to +110°C
- laminate composed from glass fibre and polyester resins
- Content of glass fibers 25-27%
- Thickness of laminate 0,57 mm
- Areal density 830 g/m<sup>2</sup>
- White-milk color  
(Laminate may turn a bit yellow due to UV rays)
- Laminate can be cleaned with hydraulic cleaners!

### Technical information

core	Polyurethane PIR
core thickness [mm]	80, 100 i 120
effective width [mm]	1050
total width [mm]	1070
min length of panels [mb]	2,0
max length of panels [mb]	13,5
thickness of external/ internal [mm]	0,5 / 0,6
współczynnik przenikania ciepła U <sub>c</sub> [W/m <sup>2</sup> K]	80 mm – 0,31; 100 mm – 0,25; 120 mm – 0,20
Lamba coefficient [W/mK]	0,026 [80 mm, 100 mm]; 0,025 [120 mm]
Resistance of roof for external fire	Broof(t1)
type of exterior profile	high trapezoidal 40 mm
type of interior profile	flat
coverings	polyester glossy/matt
accessories	assembly systems, seals, flashings



## IZOPIR INSULATION PANELS



Thickness of panels	Number of panels in package (pcs.)
80 mm	14
100 mm	11
120 mm	9
140 mm	8
160 mm	7

**IZOPIR** is modern, efficient and reliable solution for thermal insulation of roofs, floors, terraces and sandwich walls. IZOPIR panels are made of closed-celled foam PIR in soft claddings (composite of aluminium).

Panel from polyurethane foam is the best product available on market for insulation of buildings.

## Sandwich panels with polyurethane core and INOX cladding



Sandwich panels with **INOX** cladding



### Corrosion class according to PN-EN ISO 12944-2

		Examples of environments for average climate (for information)	
		Inside	Outside
C5-I	Very high (industrial)	Buildings or areas with almost still condensation and high pollution	Industrial areas of high humidity and aggressive atmosphere
C5-M	Very high (seaside)	Buildings or areas with almost still condensation and high pollution	Seaside areas and remote areas from shore inside sea of high saltiness

Blachy Pruszyński company started production of sandwich panels with new type of cladding – INOX. It's material for food establishments, storage and transport of food, cold storage rooms, mushroom houses, pig houses and other building of AGRO type.

### Properties of INOX cladding:

- thickness 0,50 mm
- high-quality, special austenitic steel of elevated corrosion resistance
- grade of steel 1.4301
- corrosion class C5
- possibilities of production panels with INOX steel
  - one side of panels PWS-PIR-ST and PWS-PIR-CH



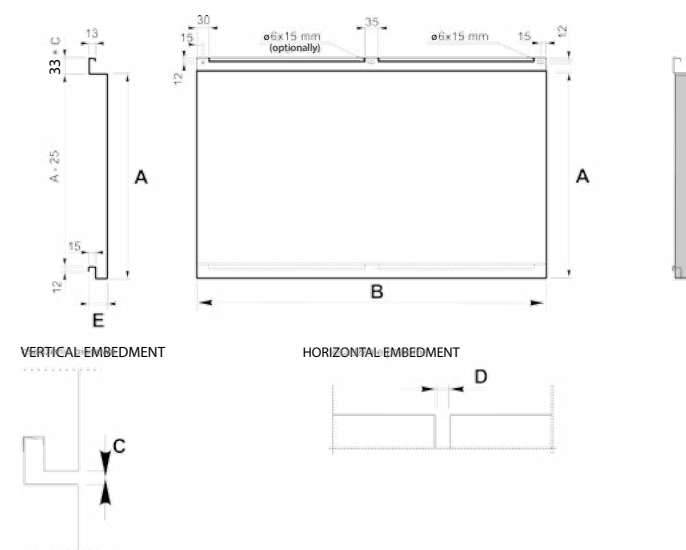


## Elevation cassettes

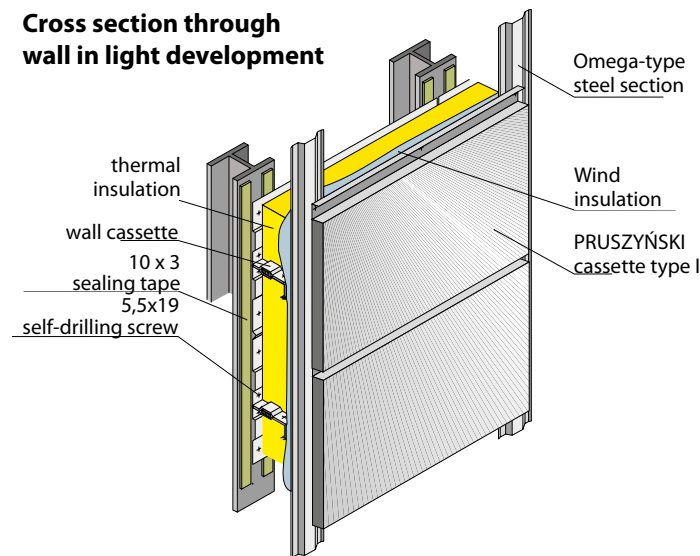
Production process and quality control process assures the highest precision of workmanship, exact maintaining the dimension, what significantly influences the precision and easy assembly. We use galvanized covered steel thickness from 1,20 mm up to 1,50 mm or aluminum steel thickness from 2,00 mm up to 3,00 mm for production. Also, our company offers elevation cassettes which could be powdered painted choosing one of the RAL palette color. Fastening system offers quick and easy assembly without compromising durability and tightness of joints. Ask Investment Department for specific information on customized development and assembly. Our staff is ready to provide assistance and comprehensive supervision of any project.



### CLADDING CASSETTE KA-1 and CLADDING CASSETTE KS-1



### Cross section through wall in light development



### CLADDING CASSETTE KA-2 and CLADDING CASSETTE KS-2 – we make skew locks on request

#### Dimmension way

	A		B		C		D		E	
	Cover width		Cover length		Width of joining in horizontal direction		Width of joining in vertical direction		Cassette thickness	
thickness /material	min	max	min	max	min	max	min	max	min	max
<b>Steel</b>										
1,20	120	800	200	2800	0	30	Acc. to design		30	60
1,25	120	800	200	2800	0	30	Acc. to design		30	60
1,50	120	1000	200	2800	0	30	Acc. to design		35	60
<b>Aluminium</b>										
2,00	120	600	200	2400	0	50	Acc. to design		35	60
2,50	120	800	200	2400	0	50	Acc. to design		45	80
3,00	120	1000	200	2400	0	50	Acc. to design		50	80

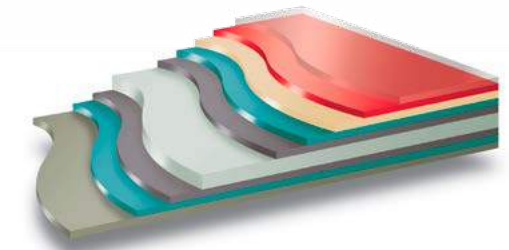
Designers and investors are increasingly using the possibilities of using a variety of colours and structures on the facades of buildings. The Pruszyński company can offer its customers all types of pre-finished steel. In addition to typical cassettes in metallurgical standard polyester coating, we also offer following coatings:

- **Colorcoat Prisma®** by Tata Steel uses the unique and proven Galvalloy™ metallic coating. It is made with a special mix of 95% Zinc (Zn) and 5% Aluminium (Al). The developed proportions of Zinc and Aluminium in Galvalloy™ offers a combination of increased barrier and sacrificial protection when compared with conventional Hot Dip Galvanised coatings and provides unrivalled corrosion protection, even at the cut edges.

- Powder coating min. 60 microns in different variants
  - Gloss
  - Mat
  - Satin
  - Coating with fine and coarse structured paints

On request, we can also offer stainless steel and acid-proof cassettes in various types of finish - from a full mirror to brushed or grinded. There is also a possibility of making cassettes made of copper and titanium-zinc sheets.

### Colorcoat Prisma® Solid, Metallic & Matts



#### Key

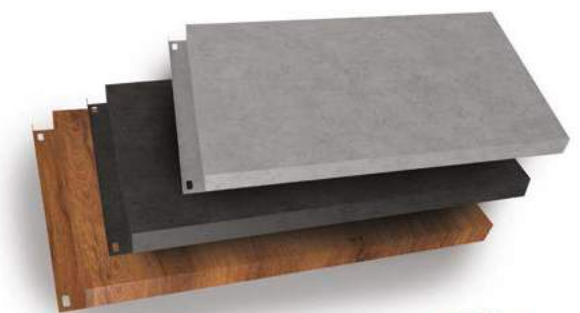
- 15 µm additional protective clear layer
- 25 µm coloured layer with polyamide beads
- 25 µm corrosion resistant primer
- Pre-treatment
- Galvalloy™ metallic coating
- Base steel substrate
- Galvalloy™ metallic coating
- Pre-treatment
- High performance backing coat

There available wide colour palette of elevation cassettes for individual order of client. In order to get more information please contact with sales department.

### The latest offer from company Blachy Pruszyński Elevation cassettes in Colorex DEKOR coating



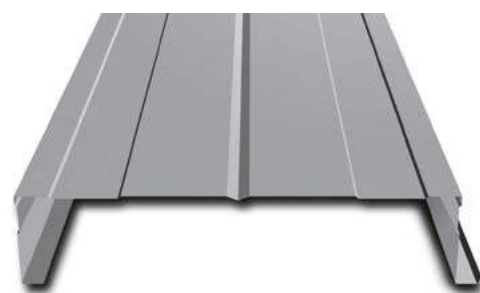
A wide range of possibilities to give original design to metal products is available in DEKOR technology of ABC company - powder coating combined with application of any patterns in the sublimation technology. Thanks to this, the elements covered with a durable, polyurethane, decorative coating of powder varnish gain a new depth and attractive appearance, imitating wood, stone or other structures. The possibilities of DEKOR technology are used in the design and production of facade cladding, window frames, door joinery, equipment housings and many others.



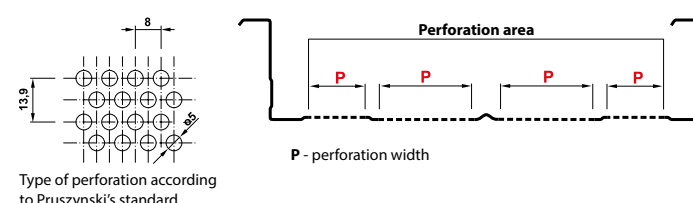
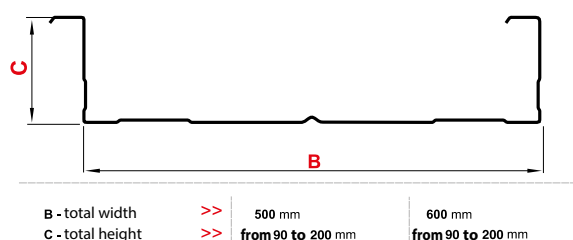




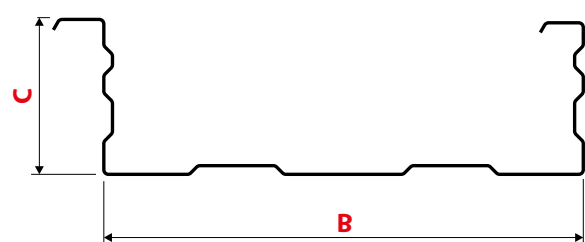
## Cassette



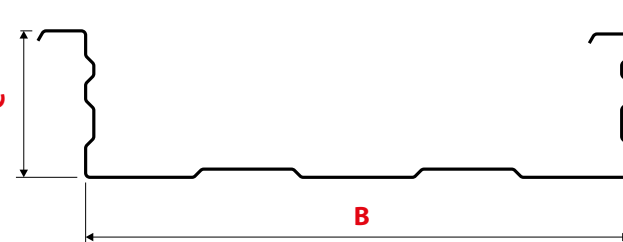
**thickness** - from 0.7 to 1.5 mm  
**colour** - according to RAL  
**coating** - galvanised, glossy polyester  
**length** - minimum cassette length 1.5 m



New deeper wall cassettes are perfect material for quick wall constructions, especially of industrial halls/warehouses. Whole construction has now better stiffness and tightness. Cassette is produced in 2 widths: 500 and 600 mm and range of height from 110 to 200 mm.



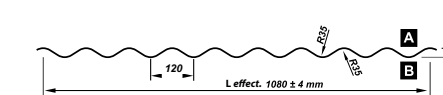
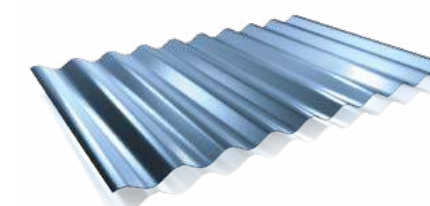
B - total width >> 500 mm 600 mm  
 C - total height >> from 110 to 200 mm from 110 to 200 mm



B - total width >> 500 mm 600 mm  
 C - total height >> from 110 to 200 mm from 110 to 200 mm

Corrugated elevation profiles combine modern shape and technology with traditional for the Blachy Pruszyński Co. solicitude to the highest quality. Corrugated elevation profiles are applied the same way as trapezoidal profiles – for the construction of houses, offices and administrative buildings, warehouses, sports halls, as well as in all cases where not only the aesthetics, but also uniqueness and innovative shape are important. They excellently emphasize the object originality which is currently as substantial as functionality and life time. The Blachy Pruszyński offers profile PF25 with slight wave that serves as an excellent profile for smaller buildings and as a decorative element.

## PF 25



Profile height [mm]	25
Core width [mm]	1250
Effective width [mm]	1080
Total width [mm]	1114
Max. sheet length [mb]	6/7
Min. sheet length [mb]	0,5
Thickness [mm]	0,5/0,7
Perforation	yes
Accessories	screws, nails, anti-condensation nonwoven fabric

NOTE: The profiles are suitable for elevation when:  
**A** is coated with decorative coating,  
**B** is coated with protective coating (primer)

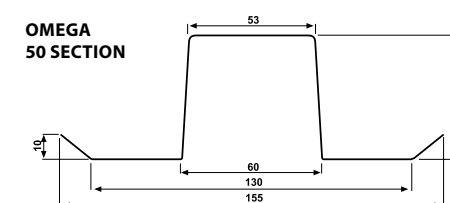
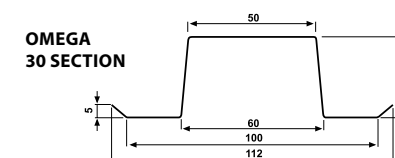
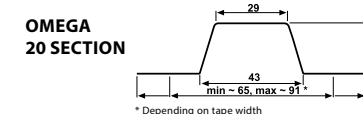
## Omega section / panels

### Omega sections

Cold-rolled omega type sections manufactured from galvanized tape. Our offer includes patches with three heights and thicknesses of core between 0.7 and 1.00 mm. Such range of dimensions allows for applying them in various types of construction.

### Advantages

- high stiffness and strength; • durability and reliability;
- small weight of the structure; • ideal plane of the framing;
- convenient and easy assembly



\* Possibility to manufacture in any other dimension up to 6 m in length

Thickness – 0.7 – 1.00 Coating – organic Length – 0.5 to 6 m

### Material

Double-sided hot-dipped galvanized steel, grade S280 GD or S350 GD

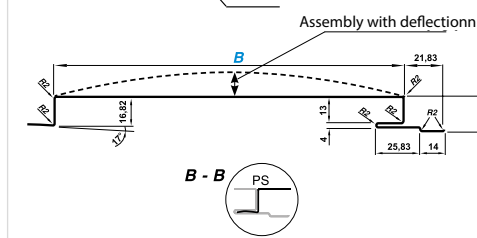
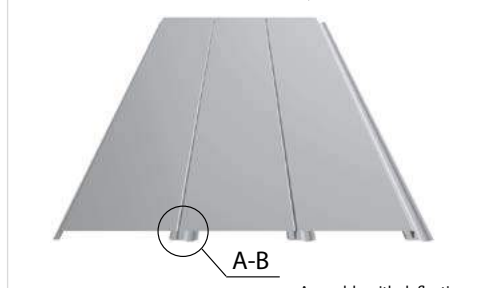
### Panel

**thickness** - 0,5; 0,7 mm

**colour** - see: page 51

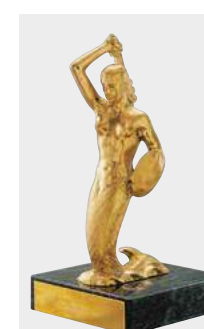
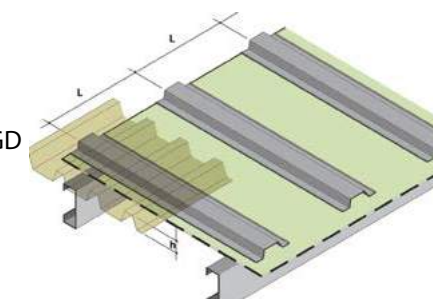
**coating** - glossy polyester, matt polyester

**length** - Panels can have any length between 1 – 8 m



B - total width PS: 155 / 215 / 315

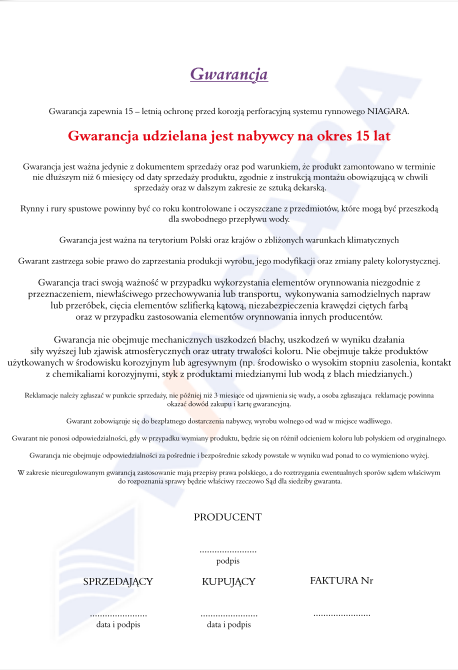
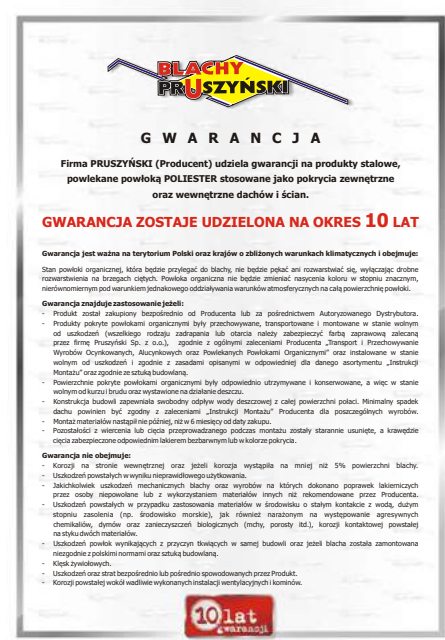
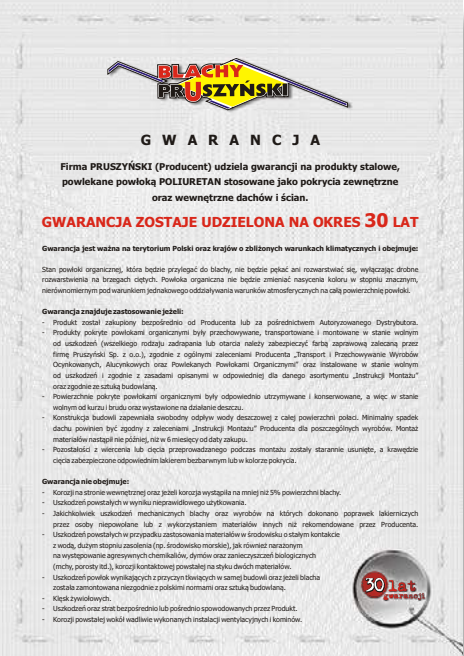
ALL PRODUCTS HOLD ITB (BUILDING RESEARCH INSTITUTE) AND PZH (NATIONAL INSTITUTE OF HYGIENE) CERTIFICATES



**ZŁOTA SYRENKA**  
 Honorary award granted at Warsaw Building Industry Fairs for WALL PANELS, a product displaying high technical and usable qualities



TYPE	DIMMENSION	DESCRIPTION	USAGE
	4,8x35 mm	reduced drilling point, drilling depth capacity 2,5 mm washer: steel/ EPDM color: RAL	6-8 pcs/m <sup>2</sup>
	4,8x35 mm	reduced drilling point, drilling depth capacity 2,5 mm washer: steel/ EPDM color: RAL 4 anticorrosion layers	6-8 pcs/m <sup>2</sup>
	4,8x35 mm	reduced drilling point, drilling depth capacity 2,5 mm washer: steel/ EPDM color: RAL	6-8 pcs/m <sup>2</sup>
	4,8x19 mm	reduced drilling point, drilling depth capacity 2,5 mm washer: steel/ EPDM color: RAL	6-8 pcs/m <sup>2</sup>
	5,5x25 up to 55 mm	drilling depth up to 6,0 mm washer: steel/EPDM color: RAL	4-6 pcs/m <sup>2</sup>
	5,5x32 up to 38 mm	drilling depth up to 12,0 mm washer: steel/EPDM color: RAL	4-6 pcs/m <sup>2</sup>
	55/63x80 up to 280 mm	drilling depth up to 6,0 mm washer: steel/EPDM color: RAL	1-2 pcs/m <sup>2</sup>
	55/63x80 up to s 280 mm	drilling depth up to 12,0 mm washer: steel/EPDM color: RAL	1-2 pcs/m <sup>2</sup>



Our products are the subject of guarantees:

- 30 years - for steel products with POLYURETHANE layer – used as external and internal coverings for roofs and walls
- 20 years - for products with hybrid coverings (satin) and internal covering for roofs and walls.
- 10 years - for steel products with POLYESTHER layer - used as external and internal coverings for roofs and walls
- 15 years - for NIAGARA gutter system
- 10 years - for AURA roof windows



		FARM	FOOD SAFE
Properties		<ul style="list-style-type: none"><li>• Very good chemical resistance</li><li>• Good corrosion resistance</li><li>• Good formability</li><li>• Thermosetting paint</li><li>• Surface treatment and paint: free of hexavalent chromium and heavy metals</li></ul>	<ul style="list-style-type: none"><li>• Very good UV resistance</li><li>• Excellent corrosion resistance</li><li>• Very good formability</li><li>• Robust coating</li><li>• Thermosetting paint</li><li>• Surface treatment and paint: free of hexavalent chromium and heavy metals</li></ul>
Applications		Inner side of cladding, roofing (single sheets or sandwich panels), to be used in the aggressive environment of livestock and farm buildings	In cold storage rooms and food industry, for humid and aggressive conditions, with need to admission of safe temporary contact with food.
Description	Thickness	35 microns	55 microns
	Composition	Front (inner side of the building): 15 microns primer + 20 microns top coat Back (outer side of the building): Granite® HD, Granite® HDS, Granite® HDX for double-sided finish; 5 or 7 microns backing coat for sandwich panels	Front: 25 microns primer + 30 microns top coat Back: 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	30 GU; Other gloss levels on request	30 GU; Other gloss levels on request
	Colours	Various shades of white	Colour palette Other colours on request
	Appearance	Smooth	Grained
	Temporary protection (optional)	Self-adhesive film or heat-sealed film	Not applicable
Performance	Adhesion of the coating (T-bend)	≤ 1T	≤ 1T
	Resistance to cracking on bending (T-bend)	≤ 2T	≤ 1.5T
	Impact resistance	18 J	18 J
	Clemen scratch resistance	≥ 2 kg	≥ 3 kg
	Surface "pencil" hardness	HB to H	-
	Corrosion resistance: <ul style="list-style-type: none"><li>• Salt spray test</li><li>• Corrosion resistance category</li></ul>	360 hours	700 hours Rc5
	Condensation resistance: <ul style="list-style-type: none"><li>• QCT test</li><li>• Corrosion protection (interior) category</li></ul>	1500 hours CPI4	1500 hours CPI4
	UV resistance: <ul style="list-style-type: none"><li>• QUV (UVA + H2O) test (2000 hours)</li><li>• UV resistance category</li></ul>	- -	ΔE ≤ 2; GR ≥ 80 % RUV4
	Fire behaviour classification (EN 13501-1)	A1	A1 for colour class 1 to 4, A2 for metallic colour class 5
	Resistance to acids and bases	Good to very good	Good to very good
	Resistance to ammonia	Very good	Very good
	Resistance to solvents: <ul style="list-style-type: none"><li>• Aliphatics and alcohols</li><li>• Ketones</li><li>• Aromatics</li></ul>	Very good Very good Very good	Very good Low Good to very good
	Resistance to mineral oils	Very good	Very good
Automatic guarantee	• Non-perforation of the sheet metal	-	• 35 years, depending on the external environment
	• Non-delamination of the paint	-	• 35 years, depending on the external environment
Remarks	• Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%)	-	• 5 years, depending on the geographic location and the paint colour category
		These performance characteristics refer specifically to metallic coating Z275 (guaranteed minimum).	these performance characteristics refer specifically to metallic coating Z225 (guaranteed minimum)

POLYESTHER COVERINGS

glossy PS 25 µm

RAL 9010 <sup>(1) (2) (3)</sup>	RAL 9002 <sup>(1) (2)</sup>	RAL 7035 <sup>(1) (2)</sup>	RAL 9006 <sup>(1) (2) (3)</sup>	RAL 9007 <sup>(1) (2)</sup>	RAL 7000 <sup>(1)</sup>
SNOWY WHITE	WHITE	GREY	SILVER	SILVER METALIC	GREY
RAL 7024 <sup>(1)</sup>	RAL 7016 <sup>(1) (2)</sup>	RAL 5010 <sup>(1) (2)</sup>	RAL 6029 <sup>(1) (2)</sup>	RAL 6005 <sup>(1)</sup>	RAL 1021 <sup>(1)</sup>
GRAPHITE	GRAPHITE	BLUE	GREEN	DARK GREEN	YELLOW
RAL 1002 <sup>(1) (2)</sup>	RAL 8023 <sup>(1)</sup>	RAL 8004 <sup>(1)</sup>	RAL 3016 <sup>(1) (2)</sup>	RAL 3005 <sup>(1)</sup>	RR 028 <sup>(1)</sup>
SAND	COPPER	BRICK	CORAL	CHERRY	CHERRY
RAL 3011 <sup>(2)</sup>	RAL 8016 <sup>(1) (2)</sup>	RAL 8017 <sup>(1) (2)</sup>	RR 032 <sup>(1)</sup>	RAL 9005 <sup>(1)</sup>	(1)
CHERRY	BROWN	BROWN	DARK BROWN	BLACK	GOLDEN OAK
RAL 1015 <sup>(1)</sup>					
CREAM - BEIGE					

PMG 35 µm coarse matt

RR 023 <sup>(1)</sup>	RR 011 <sup>(1)</sup>	RR 750 <sup>(1)</sup>	RR 028 <sup>(1)</sup>	RR 032 <sup>(1)</sup>	RAL 8017 <sup>(1)</sup>
GRAPHITE	GREEN	BRICK	CHERRY	BROWN	BROWN
RR 033 <sup>(1)</sup>	RAL 7016	(1)			
BLACK	GRAPHITE	DARK WALNUT			

PURMAX COATINGS

25 µm polyester coating on polyurethane 15 µm

RAL 8004 <sup>(1)</sup>	RAL 8017 <sup>(1)</sup>	RAL 9005 <sup>(1)</sup>	RAL 7016 <sup>(1)</sup>
BRICK	BROWN	BLACK	GRAPHITE

POLYURETHANE COVERINGS

PURLAK® 50 µm

RR 023 <sup>(1)</sup>	RR 750 <sup>(1)</sup>	RR 028 <sup>(1)</sup>
GRAPHITE	BRICK	CHERRY
RAL 8017 <sup>(1)</sup>	RR 033 <sup>(1)</sup>	RAL 7016 <sup>(1)</sup>
BROWN	BLACK	GRAPHITE

PURMAT® 50 µm

RR 023 <sup>(1)</sup>	RR 750 <sup>(1)</sup>	RR 011 <sup>(1)</sup>
GRAPHITE	BRICK	GREEN
RR 028 <sup>(1)</sup>	RAL 8017 <sup>(1)</sup>	RR 033 <sup>(1)</sup>
CHERRY	BROWN	BLACK
RAL 7016 <sup>(1)</sup>		
GRAPHITE		

<sup>(1)</sup> steel sheet thickness 0.5 mm, <sup>(2)</sup> steel sheet thickness 0.7 mm, <sup>(3)</sup> steel sheet thickness 1.0 mm,  
Actual colours may vary from displayed or printed images





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