



PRODUCT CATALOGUE

THE POWER OF ROOFS



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BP2.EU

ROOFING AND FAÇADE CLADDING MANUFACTURER

BP2.eu is a manufacturer of comprehensive solutions for the construction industry. We offer a whole range of products dedicated to residential and investment construction, i.e. roofing, structural metal sheets, façade systems, composite panels, cassettes and cladding panels, gutter systems, as well as specialised steel processing services within the Steel Service Centre (SSC). We are constantly expanding our product range, adapting to new market requirements and technological developments.

We form a harmonious team in which we trust and respect each other. We care about a positive atmosphere and are aware that the company is made up of people.



IDEA

BP2.eu bases its activities on four pillars:

PEOPLE.

We are a team and we trust and respect each other. The company and the positive atmosphere are created by people. The process of management, decision-making and information flow takes place in such a way that, in the pursuit of a common goal, everyone comfortably and reliably does their job.

RELATIONS.

Good relations within and outside the company are another of BP2's operating rules. We build long-lasting, open relationships with customers, suppliers and colleagues. We are committed to honest communication and open dialogue. We take care of our customers by offering modern cooperation tools and support in marketing programmes.

TECHNOLOGY.

State-of-the-art equipment, modernised with the advent of new technologies, are one of BP2's core activities. In addition, the company focuses on the automation of internal processes, the best example of which is the EDI (Electronic Data Interchange) format, which allows for the direct exchange of documents with suppliers, as well as eProfil - a customer service platform, thanks to which our recipients cannot only place orders without having to send additional documents, but they can also track the status of the order in real time.

QUALITY.

BP2's quality control laboratories in Dąbrowa Górnicza (PL) and Timisoara (RO), which subject products to tests corresponding to decades of exposure to various atmospheric conditions, make it possible to provide long-term real warranty for our products. Quality is determined by the right selection of the best suppliers from around the world.



HISTORY

BP2.eu was established in Kraków in 1995. The beginnings of the company were focused on roofing, but the offer was soon expanded to include other products. The first production line to be opened was in Krakow. We bravely introduce new technologies and follow global trends thanks to which our production lines are equipped with technological novelties and the work on their improvement continues.

Our modern equipment facility in Grojec, which is constantly modernised and expanded, is one of four integrated production facilities. Another is the facility in Dąbrowa Górnicza, established in 2015. New developments and search for attractive markets led to the establishment of S.C. IMPRO S.R. L.® The head office of the Romanian company, which is part of the BLACHPROFIL 2® capital group, looks almost identical to the prototype, which is the BP2 branch in Grojec near Kraków.

As an international manufacturing company with its own logistics and distribution network on the European market, we took on a new challenge and acquired a sandwich panel production plant in Timisoara at the turn of 2017/2018. The fully functional facility was incorporated into S.C. IMPRO S. R. L.® enriching our offer with sandwich panels. Currently, our products are available in Poland, the Czech Republic, Slovakia, Hungary, Lithuania, Russia, Belarus, Austria, Bulgaria, Serbia, and Romania.



BRAND AMBASSADOR ADAM MAŁYSZ

Adam Małysz is a roofer by profession and this profession was supposed to be an alternative to an uncertain sports career. Today, he reminisces about his days working on the roof and highlights the huge progress that has been made in the last decade. The ambassador is actively involved in BP2 activities. Roofers and sports enthusiasts have an opportunity to meet the best jumper among roofers during meetings organised within the BP2 Academy of Masters and various company events.

Four-time Olympian, winner of four Olympic medals and six world championship medals, four-time World Cup winner, winner of 39 World Cup competitions, winner of the 49th Four Hills Tournament, winner of three editions of the Nordic Tournament and the Summer Grand Prix, winner of the Four Nations Tournament 2010 and two-time KOP Cup winner. Winner of 39 individual gold medals at the Polish Championships.

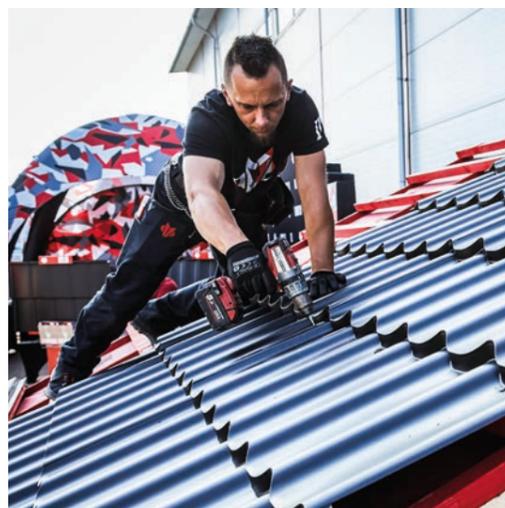
After ending his ski jumping career, Adam Małysz devoted himself to his motorsport dreams. A talented and versatile athlete, he is high up on the scorecards of prestigious off-road rallies such as the Dakar Rally, Sealine Cross Country and Baja. The interesting and unusual road to success was bumpy, but Adam Małysz's talent and determination allowed him to succeed in the difficult discipline of off-road rallies.

Adam Małysz is an undisputed legend of Polish sport. The man to whom ski jumping owes its enormous popularity. In 2017, he became a brand ambassador for BP2.eu. Adam Małysz's sporting versatility is beyond doubt. His enormous success in ski jumping makes him, above all, the jumper of all time.

ePROFIL

The eProfile Internet platform is an extensive customer service system which is constantly being improved with new features. It allows almost unlimited control over the order placed. It allows you to check the stage of completion, locate the transported product on a map in real time and fully control the balance, payments and transaction history. eProfile also provides access to current price lists and promotions, as well as the ability to easily create a cost estimate for the end customer.

The roof optimiser module enables you to create a calculation of the required material according to the project in no time at all, thus reducing waste and unnecessary costs to a minimum. The program visualises the arrangement of sheets on the roof, helps to select the most cost-effective solution, generate a ready design and place an order. The eProfile service platform is a multifunctional tool for streamlining the order processing process and saving our customers' time."



FULL SUPPORT BP2.eu

The new offer that is being developed with the company places an obligation on us to provide technical support to our customers. The BP2 Master Academy's practical training courses are a compendium of practical knowledge that enables you to work properly with our products and implement new solutions in roofing. In the age of dynamic progress, it is very important for master roofers to keep up to date with changes and to supplement their expertise. Practical training has become a permanent feature of BP2's offer and active dialogue, and meetings with roofers enrich the knowledge of both parties.

Full technical support also means you can get feedback and help from BP2 technical advisors affiliated to the MASTER ROOFER programme. Technically trained roofers with excellent knowledge of the product range are available to provide help and advice on installation. A complete list of BP2 technical advisors is available on our website.

LABORATORY

We attach great importance to the quality of the products we offer, which is why we have created our own professional laboratory where both our products and the material they are made of are subjected to objective tests. Quality control by means of state-of-the-art technology and modern equipment as well as the BP2 team studying processes in coatings and steel, faithfully reflecting several decades of exposure to various atmospheric agents. Thanks to such reliable tests, our products come with the longest warranty periods.



ACADEMY OF MASTERS

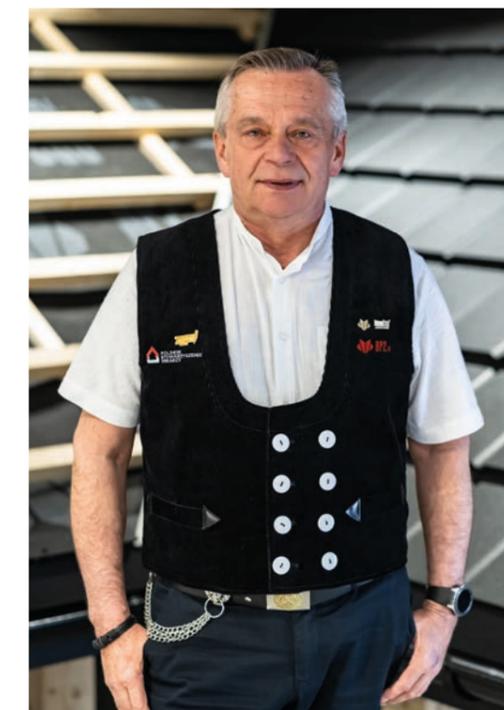
The BP2 ACADEMY OF MASTERS is a platform for a dialogue and exchange of experience with roofers and distributors working with us. Its origins date back to 2017. The BP2 ACADEMY OF MASTERS has trained 2500 roofers from all over Europe in less than 2 years. Training took place in one of the 4 integrated production facilities in Dąbrowa Górnicza, where a fully equipped and fully functional conference and training infrastructure was established. The following year has been a year of field training.

The BP2 MOBILE ACADEMY OF MASTERS, having travelled nearly 10,000 km, made it possible to present products and their installation methods to 2,000 roofers. As part of the Academy, we constantly offer a series of practical training courses during which participants, in small groups, have an opportunity to expand their skills and knowledge under the guidance of Master Roofer Waldemar Piela. We are confident that training and investment in contractors is fundamental to the development of the industry. The training centre in Dąbrowa Górnicza which, together with a modern laboratory, offers many possibilities to contractors who work with us and want to improve their qualifications.

MASTER ROOFER WALDEMAR PIELA

Waldemar Piela, Master Roofer and BP2 Technical Advisor, is a man with a rich industry history. He has been practising his profession for almost 40 years. In addition, he has made a huge contribution to education by being a member of the examination board of the Mazovian Chamber of Crafts and by being an expert at SITPMB. As one of the founders of the Polish Roofers' Association, he served as its president. During his presidency, the PRA gained full member status in the IFD World Roofing Federation.

The desire to spread professional education and development brought him together with BP2. As the head of the MASTER ROOFER technical advisory team, he provides support in installing and working with BP2 products. This man, who not only possesses great knowledge but is also willing and passionate about passing it on, is an invaluable help in case of any installation or technical doubts.



PRODUCTS



MODULAR SERIES

SERIES FEATURES

- Two-module sheets.
- Z-type locking joint.
- Repeatability of the colour and structure of the coating.
- Professional packaging.
- State-of-the-art technological solutions.



IZI ROOF



IZI LOOK



ZET ROOF



ZET LOOK

COMPACT SERIES

SERIES FEATURES

- Two-module sheets.
- Mounting holes.
- 3D wave-shaped cut.
- Available in a wide range of colours and coatings.



HETA 2.0



ALFA 2.0



STIGMA 2.0



BAVARIA ROOF 2.0

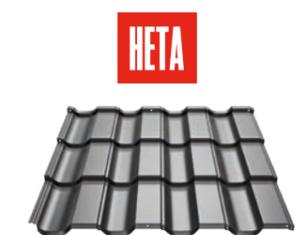


GAMMA 2.0

CLASSIC SERIES

SERIES FEATURES

- Classic metal tiles cut to size.
- Pre-punched mounting holes on 30 mm, 35 mm and 40 mm embossing.
- 3D wave-shaped cut.
- Available in a wide range of colours and coatings.



HETA



ALFA



STIGMA



BAVARIA ROOF

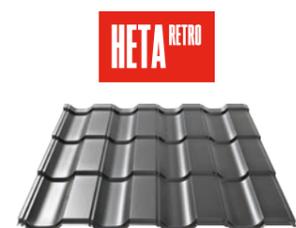


GAMMA

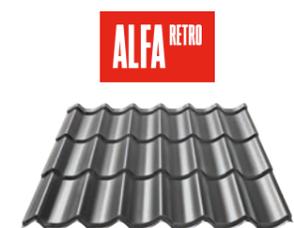
RETRO SERIES

SERIES FEATURES

- Classic metal tiles cut to size.
- Available in a wide range of colours and coatings.
- Extended cut at the eaves.



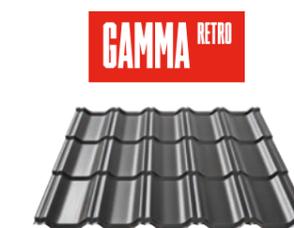
HETA RETRO



ALFA RETRO



STIGMA RETRO



GAMMA RETRO

2

MODULAR SERIES

- 16. **IZI ROOF**
- 18. **IZI LOOK**
- 20. **ZET ROOF**
- 22. **ZET LOOK**
- 24. **Colours**
- 25. **Feedstock**

MODULAR SERIES

MODULAR SERIES is a line of state-of-the-art modular roofing products, featuring innovative technological solutions and perfected aesthetics. The tiles are manufactured in the form of small two-module sheets which greatly facilitate and speed up transportation and installation.

The modular products are available in two fixing options: traditional with visible screws (IZI Roof and ZET Roof) and, for more demanding customers, with hidden screws (IZI Look and ZET Look).

Advanced technological solutions, representing proprietary innovations on the roofing market, made with attention to the finest details and flawless precision, thanks to automated production lines.

The MODULAR SERIES is distinguished by advantages unique to its product class:

The form of the two-module sheets facilitates loading, transport and unloading and, above all, makes installation easier and faster. Lightweight and small sheets mean more convenient delivery to the roof and safe storage.

The high „Z“ embossing is a legally protected solution that creates deep shadows between the modules, giving the covering a unique, dynamic form in all lighting conditions. The „Z“ locking joint additionally protects the cut edges against corrosion.

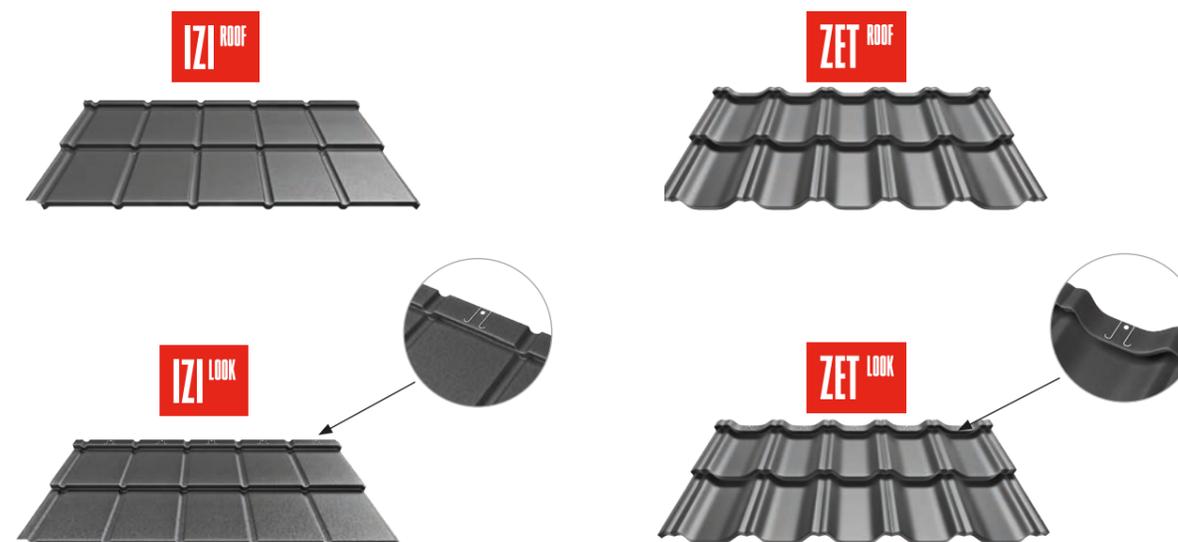
Professional packaging includes polystyrene dividers, a special cover with reusable drawstrings, stretch films and binding tapes.

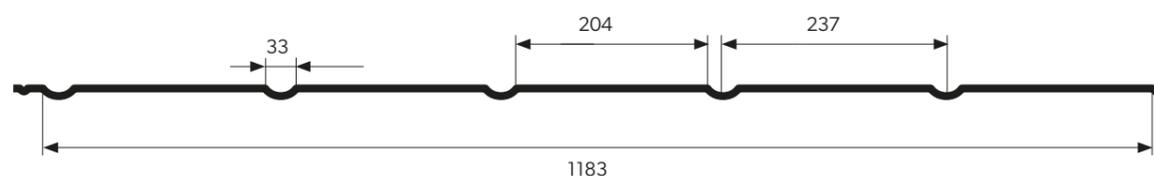
A dedicated packaging system protects the modules, reducing the risk of damage and abrasion during loading, transport, and unloading.

The warranty of up to 55 years for selected coatings is a confirmation of the high quality of the product in the roofing market, supported by objective laboratory tests carried out in the specialist BP2 laboratory. The steel supplied to BP2 is subjected to extensive testing and only its positive result qualifies it for tile production.

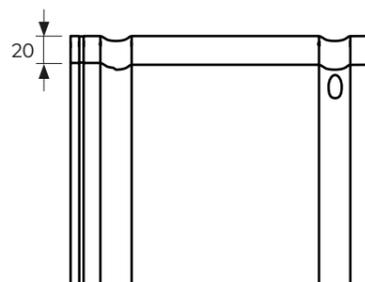
Repeatability of colour and texture is guaranteed in the warranty certificate.

Dedicated TORX screws (IZI Roof, ZET Roof) mean less visibility of the fasteners and consequently higher aesthetics of the roofing.

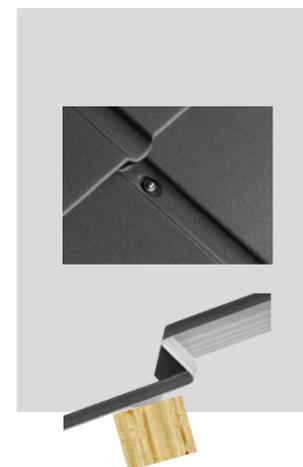




Technical parameters [mm]	
Effective width	1183
Overall width	1233
Sheet thickness	0,5
Profile overall height	38
Embossing height	30
Module length	363 (batten span 350 mm)
Effective area (coverage) of a single sheet	0,828 m ²



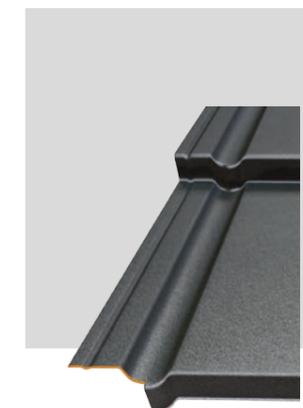
ANTI WAVE



ANTI WAVE is a system of precisely shaped mounting recesses at the optimal points of the sheet for the installation of fixings. The main benefits of this solution are:

- the fixing points are optimised,
- stress and undulations of the flat surface are reduced,
- no need to plane the battens to the roof pitch,
- the recesses reduce the visibility of the fixings,
- the shape of the recesses facilitates drainage from the fixing points.

EASY LINK



EASY LINK A proprietary solution that makes the sheets fit together like never before. In order to avoid the effect of overlapping sheets in the area where the three sheets join, the IZI modular roof tiles use a cut corner of the bottom embossing.

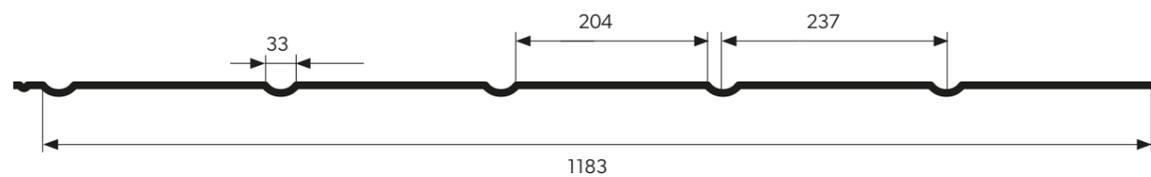
In addition, the specially shaped profile of the edge embossing allows the sheets to fit together perfectly without any visible longitudinal joints.

"Z" EMBOSSING

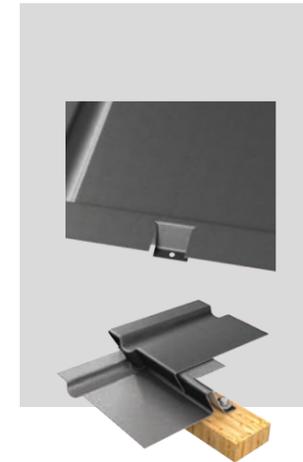


"Z" EMBOSSING is a corrugation technology using a proprietary "Z" type embossing, which creates deep shadows between the modules. This ensures that the covering presents a unique, dynamic form in all lighting conditions.

The shadow of the embossing makes horizontal joints between the sheets less visible. This has a major impact on the aesthetics of the roof covering.



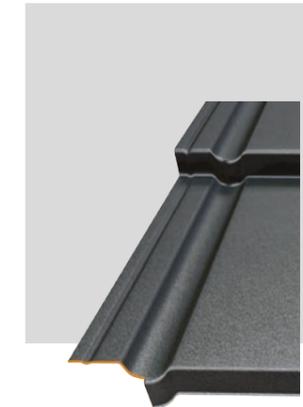
OUT OF SIGHT



IZI Look modular metal roof tiles are aesthetically pleasing with no compromise.

A distinctive feature of these coverings is the elimination of screws visible on the roof surface so that the harmony is not disturbed by any fixing element or mounting elements holes.

EASY LINK



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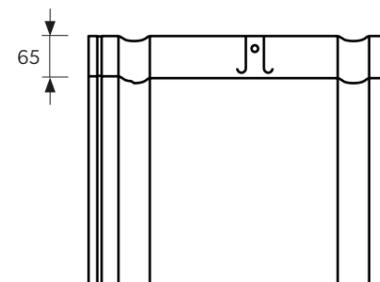


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The shadow of the embossing makes horizontal joints between the sheets less visible. This has a major impact on the aesthetics of the roof covering.

Technical parameters [mm]

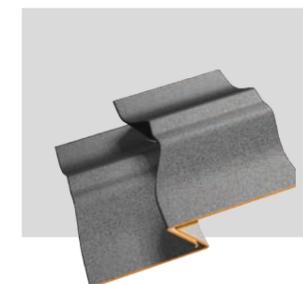
Effective width	1183
Overall width	1233
Sheet thickness	0,5
Profile overall height	38
Embossing height	30
Module length	363 (batten span 350 mm)
Effective area (coverage) of a single sheet	0,828 m ²



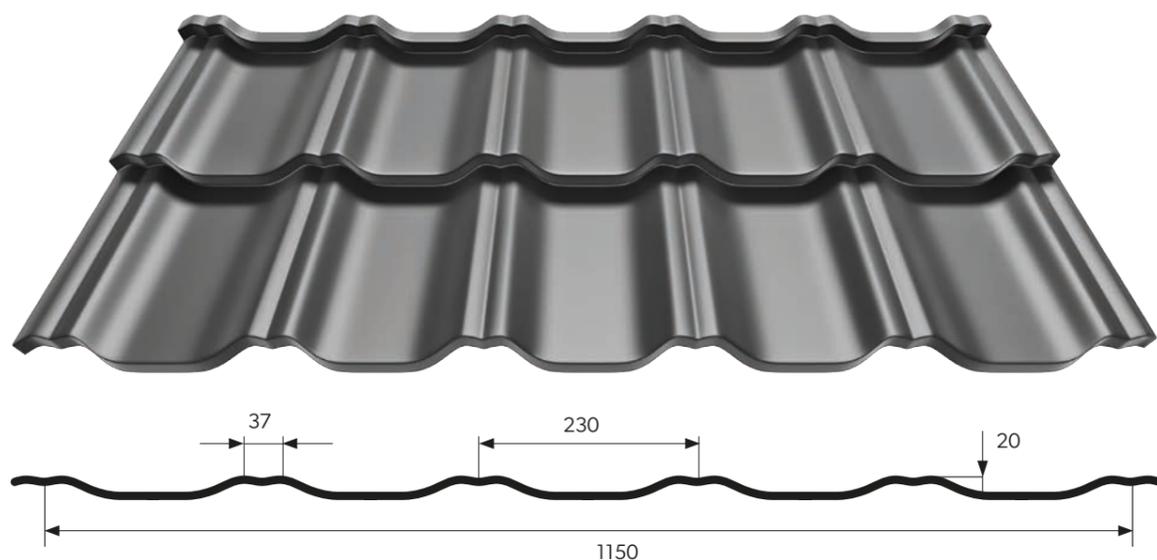


„Z“ EMBOSSING

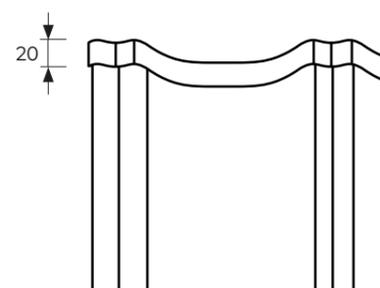
The complete roof image consists not only of colour and shape, but also of the play of light and shadow. When creating our product, we paid attention to all these aspects. All this to design a roof covering that combines the highest aesthetics, functionality and durability, as well as safety and speed of installation. A ground-breaking corrugation technology using the „Z“ embossing creates deep shadows between the modules. This ensures that the covering presents a unique, dynamic form in all lighting conditions. The shadow of the embossing not only shapes the plastic image of the tile, but, above all, it makes screws and horizontal joints between the sheets less visible. This has a major impact on the aesthetics of the roof covering.

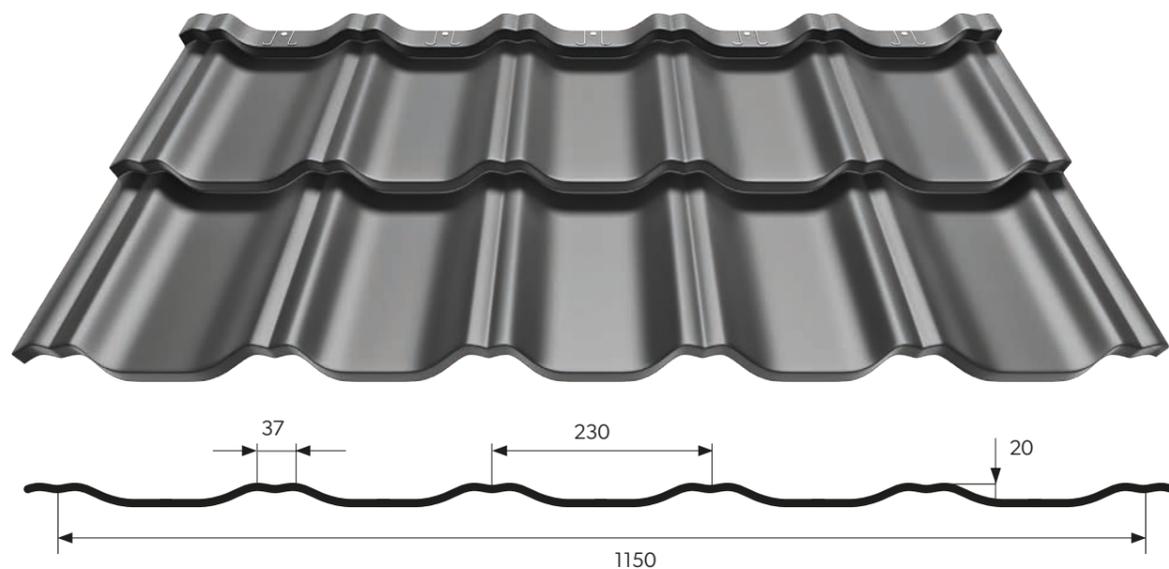


- screws hidden in the shadow,
- invisible horizontal joints,
- attractive and dynamic form.

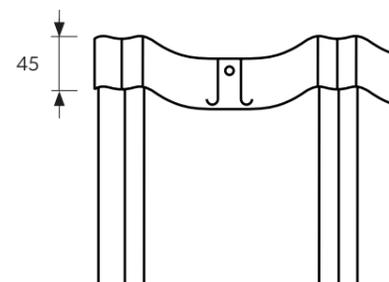


Technical parameters [mm]	
Effective width	1150
Overall width	~1212
Sheet thickness	0,5
Profile overall height	50
Embossing height	30
Module length	363 (batten span 350 mm)
Effective area (coverage) of a single sheet	0,805 m ²





Technical parameters [mm]	
Effective width	1150
Overall width	~1212
Sheet thickness	0,5
Profile overall height	50
Embossing height	30
Module length	363 (batten span 350 mm)
Effective area (coverage) of a single sheet	0,805 m ²



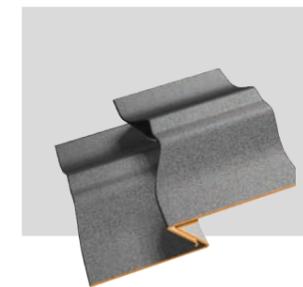
OUT OF SIGHT

ZET Look modular roof tiles stand for the highest aesthetics with no compromise. A distinctive feature of these coverings is the elimination of screws visible on the roof surface so that the harmony is not disturbed by any fixing element or mounting elements, holes. The installation system, designed together with master roofers, is very simple despite its technological advancement.



„Z“ EMBOSSING

The complete roof image consists not only of colour and shape, but also of the play of light and shadow. When creating our product, we paid attention to all these aspects. All this to design a roof covering that combines the highest aesthetics, functionality and durability, as well as safety and speed of installation. A ground-breaking corrugation technology using the „Z“ embossing creates deep shadows between the modules. This ensures that the covering presents a unique, dynamic form in all lighting conditions. The shadow of the embossing not only shapes the plastic image of the tile, but, above all, it makes screws and horizontal joints between the sheets less visible. This has a major impact on the aesthetics of the roof covering.



- screws hidden in the shadow,
- invisible horizontal joints,
- attractive and dynamic form.



COLOURS

HERCULIT [HC]

Material used in the manufacture of IZI and ZET modular metal roof tiles, a coating developed in close collaboration with a leading manufacturer of varnishes for Europe's top steel mills. Many years of studying existing coatings and monitoring customer needs, with particular emphasis on the needs of roofers, have allowed us to condense so many different advantages into one product. HERCULIT is a polyurethane-cured polyester with a high resistance to mechanical damage and a thickness of 35 µm. IZI and ZET modular metal roof tiles made from HERCULIT-coated sheet metal offer a 55-year warranty and repeatability of colours and coating structure.



 The IZI and ZET modular roof tiles made of HERCULIT-coated sheet metal are guaranteed to have repeatable colour and structure.

Code	Paint coating thickness	Zinc coating thickness	Corrosion resistance	UV resistance	Warranty period (years)
HERCULIT [HC]	35 µm	275 g/m²	RC4	RUV4	55

ULTIMAT [UTK]

A 35 µm thick coating with very high corrosion and UV resistance (RC4/RUV4). The ULTIMAT coating with its grained structure, inspired by nature, is free of chromium and heavy metals and is a green, recyclable product. Sheet metal coated with the ULTIMAT elastic coating can be profiled at extremely low temperatures. In selected variants, the warranty for ULTIMAT coated products reaches 30 years.



 The IZI and ZET modular roof tiles made of ULTIMAT-coated sheet metal are guaranteed to have repeatable colour and structure.

Code	Paint coating thickness	Zinc coating thickness	Corrosion resistance	UV resistance	Warranty period (years)
ULTIMAT [UTK]	35 µm	275 g/m²	RC4	RUV4	30

 Printing technology does not allow for faithful colour rendition, so the colours shown are approximate and may differ from actual colours.

 The warranty becomes valid upon registration at www.warranty.bp2.eu. Detailed warranty conditions are specified in the warranty certificate.

FEEDSTOCK

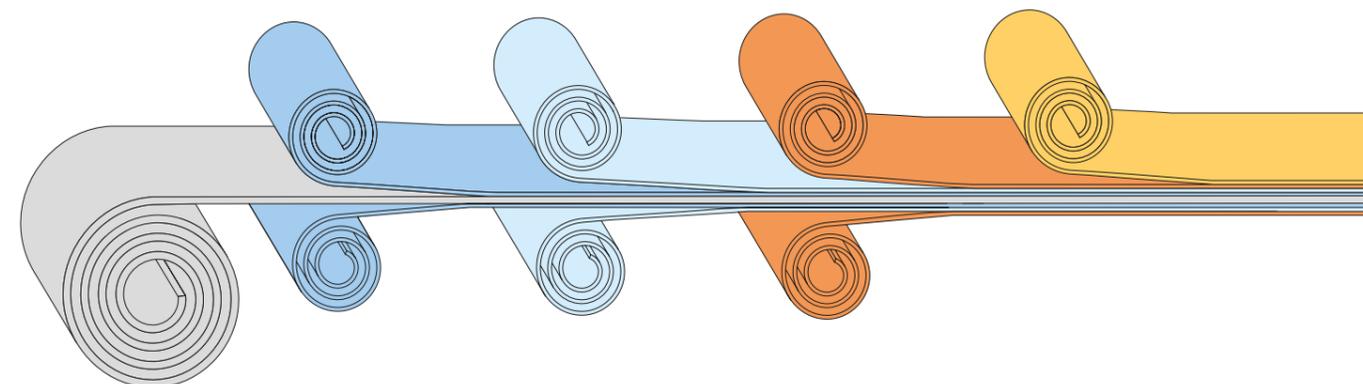
COATED SHEETS [UTK, HC]

The feedstock we use has been developed specifically for modular coverings in close cooperation with suppliers. We paid particular attention to the key properties that determine the quality and durability of this type of roofing.

Our sheets ensure the colour and structure of the coating and exhibit above-average resistance and anti-corrosion properties. This allows us to confidently offer long-term warranties without having to purchase additional components as it is often the case with competing products.

Excellent resistance to abrasion, mechanical damage, and sunlight makes the roofing look fresh and elegant even after years of use.

Coated sheet cross-section



Key



3

COMPACT SERIES

29. **HETA 2.0**

30. **ALFA 2.0**

31. **STIGMA 2.0**

32. **BAVARIA ROOF 2.0**

33. **GAMMA 2.0**

COMPACT SERIES

COMPACT SERIES is a product line combining the advantages of cut-to-size tiles and modular solutions. It is a roofing material produced on the basis of classic metal tiles in the form of lightweight two-module sheets. Like the modular tiles, the COMPACT SERIES products have a number of advantages in terms of transport, installation and storage. The COMPACT SERIES include profiles which are renowned on the market for classic tile roofing in their lightweight two-module form: ALFA 2.0, GAMMA 2.0, HETA 2.0, STIGMA 2.0 and BAVARIA Roof 2.0

We present the most important features of the COMPACT SERIES roof tiles:

The form of the two-module sheets facilitates loading, transport and unloading and, above all, makes installation easier and faster. Lightweight and small sheets mean more convenient delivery to the roof and safe storage.

A 3D wave-shaped cut that conceals the horizontal joints of the sheets, significantly improving the aesthetics of the roof finish.

Pre-punched mounting holes on the vertical embossing which enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably.

EASY LINK is an original solution used in the HETA 2.0 and ALFA 2.0 compact roof tiles, thanks to which the sheets fit together like never before.

A special cut and profiling of the outermost embossing allow perfect fitting of the sheets at the point of contact.

Dedicated TORX screws mean less visibility of the fasteners and consequently higher aesthetics of the roofing.

Available in a wide range of colours and coatings.

HETA 2.0



ALFA 2.0



STIGMA 2.0



BAVARIA^{ROOF} 2.0

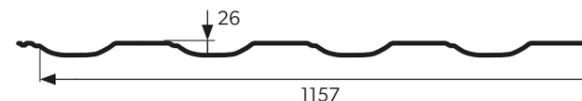
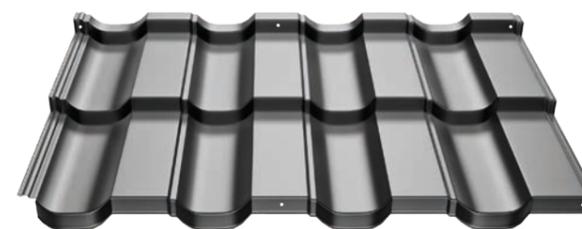


GAMMA 2.0



HETA 2.0

30/350
40/350

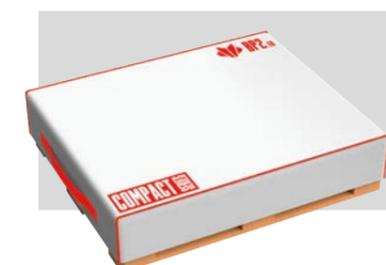


Technical parameters [mm]

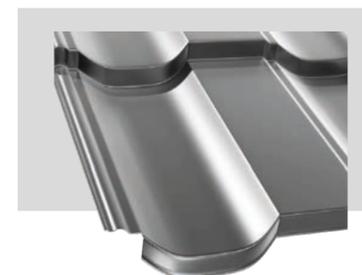
Effective width	1157
Overall width	1202
Sheet thickness	0,5
Profile overall height	56/66
Embossing height	30/40
Module length	350
Effective area (coverage) of a single sheet	0,810 m ²



Product delivered on a pallet in a single stack



EASY LINK



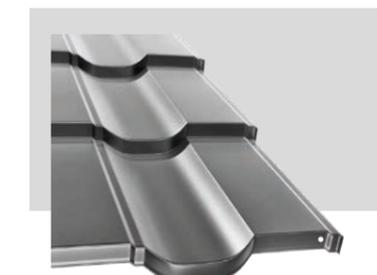
A proprietary solution that makes the sheets fit together like never before. A special cut and profiling of the outermost embossing allow perfect fitting of the sheets at the point of contact.

3D shaped cut



HETA 2.0 compact roof tiles are wave-shaped cut so that the horizontal joints of the sheets are less visible.

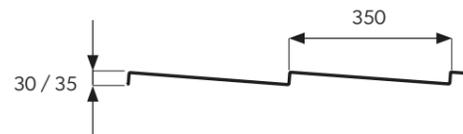
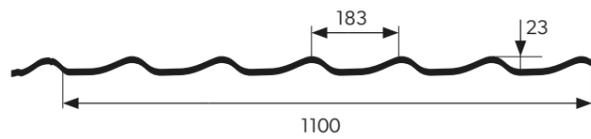
Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably.

ALFA 2.0

30/350
35/350



Technical parameters [mm]	
Effective width	1100
Overall width	1183
Sheet thickness	0,5
Profile overall height	53/58
Embossing height	30/35
Module length	350
Effective area (coverage) of a single sheet	0,770 m ²



Product delivered on a pallet in a single stack



EASY LINK



A proprietary solution that makes the sheets fit together like never before. A special cut and profiling of the outermost embossing allow perfect fitting of the sheets at the point of contact.

3D shaped cut



ALFA 2.0 compact roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

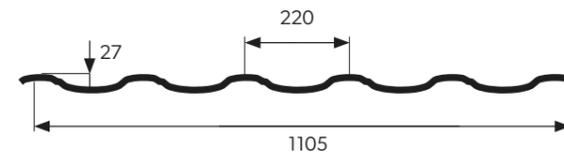
Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably.

STIGMA 2.0

30/350
40/350



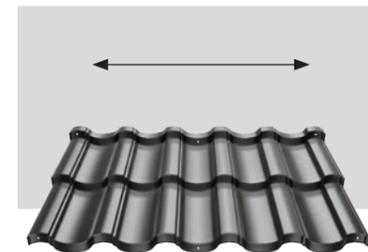
Technical parameters [mm]	
Effective width	1105
Overall width	1194
Sheet thickness	0,5
Profile overall height	57/67
Embossing height	30/40
Module length	350
Effective area (coverage) of a single sheet	0,774 m ²



Product delivered on a pallet in a single stack



Symmetrical profile



The design of STIGMA 2.0 compact tiles allows for installation in any direction (left or right).

3D shaped cut



STIGMA 2.0 compact roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

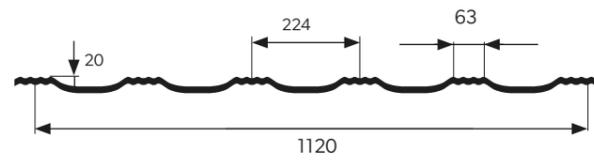
Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably.

BAVARIA^{ROOF} 2.0

30/350
40/350



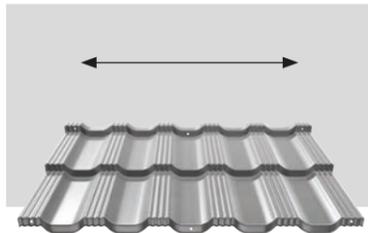
Technical parameters [mm]	
Effective width	1120
Overall width	1206
Sheet thickness	0,5
Profile overall height	50/60
Embossing height	30/40
Module length	350
Effective area (coverage) of a single sheet	0,784 m ²



Product delivered on a pallet in a single stack



Symmetrical profile



The design of BAVARIA Roof 2.0 compact tiles allows for installation in any direction (left or right). SYMMETRICAL PROFILE

3D shaped cut



BAVARIA Roof 2.0 compact roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

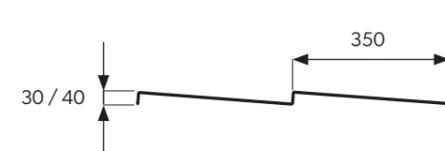
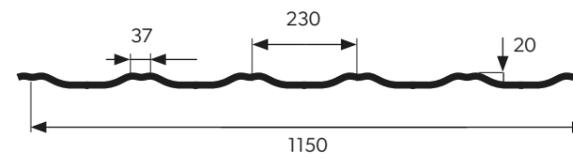
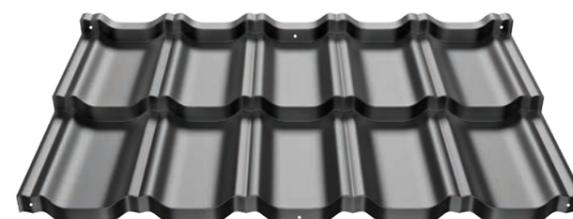
Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably.

GAMMA 2.0

30/350
40/350



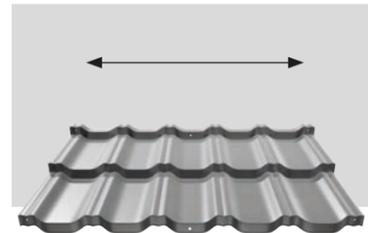
Technical parameters [mm]	
Effective width	1150
Overall width	1212
Sheet thickness	0,5
Profile overall height	50/60
Embossing height	30/40
Module length	350
Effective area (coverage) of a single sheet	0,805 m ²



Product delivered on a pallet in a single stack



Symmetrical profile



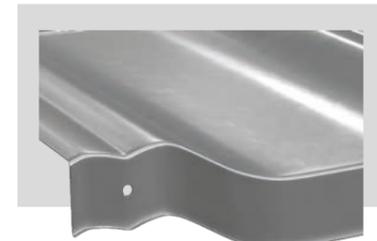
The design of GAMMA 2.0 compact tiles allows for installation in any direction (left or right). SYMMETRICAL PROFILE

3D shaped cut

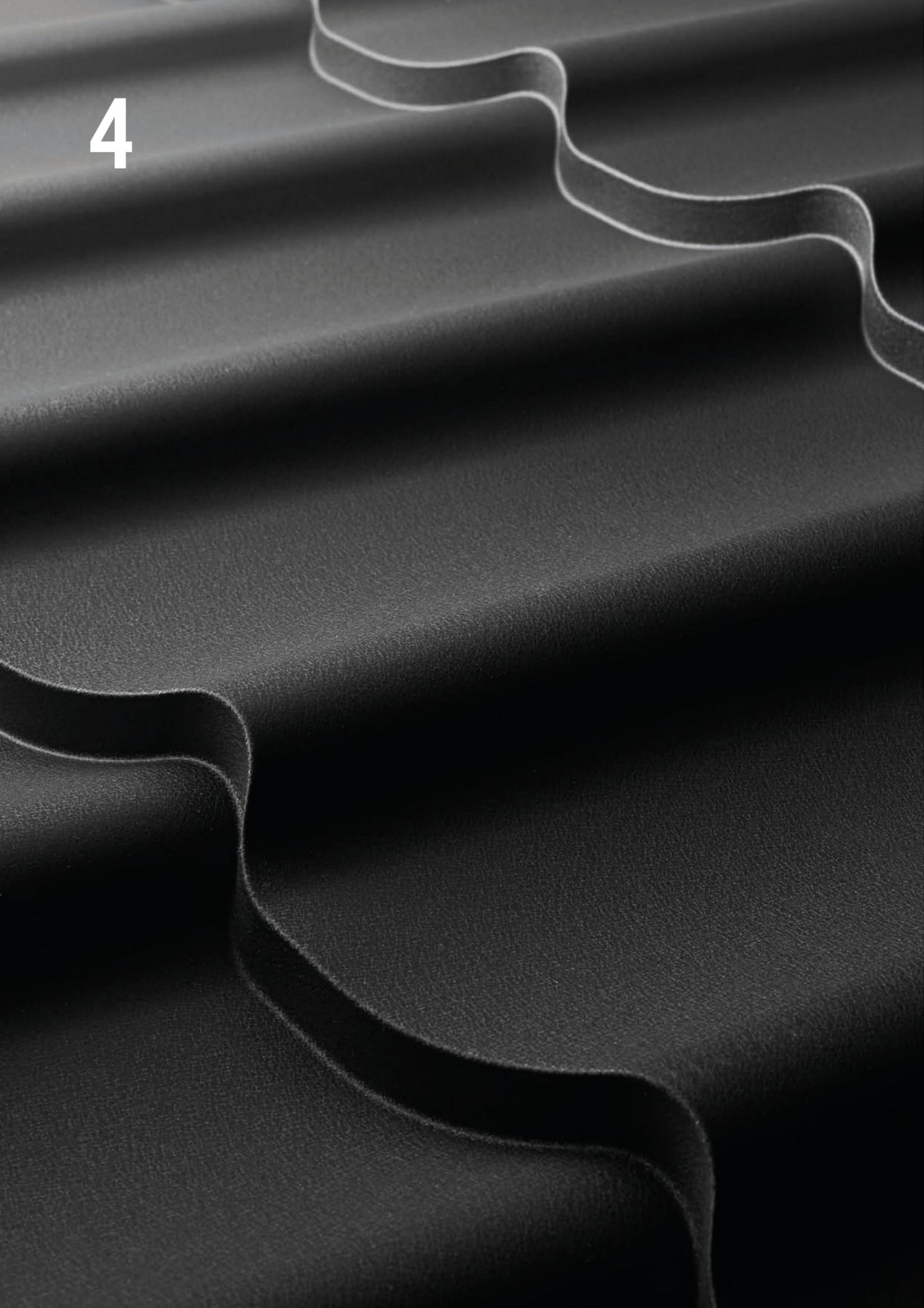


GAMMA 2.0 compact roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably.

A close-up photograph of dark, possibly black, fabric with soft, flowing ruffles. The lighting creates subtle gradients and highlights the texture of the material. The fabric is draped and folded, creating a sense of movement and depth.

4

CLASSIC SERIES

37. HETA

38. ALFA

39. STIGMA

40. BAVARIA ROOF

41. GAMMA

CLASSIC SERIES

CLASSIC SERIES is a line of popular sheet metal roofing products cut to size to perfectly match your roof design. The line of classic tile roofs includes well-established products: ALFA, GAMMA, HETA, STIGMA and BAVARIA Roof.

The most important features of CLASSIC SERIES tiles:

Cut to size, the sheets are perfectly tailored to the specific roof design.

A 3D wave-shaped cut that conceals the horizontal joints of the sheets, significantly improving the aesthetics of the roof finish.

Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also significantly speeds up the work (applies to versions with 30mm embossing and above).

EASY LINK is a proprietary solution introduced in HETA and ALFA thanks to which the sheets fit together as never before. A special cut and profiling of the outermost embossing allow perfect fitting of the sheets at the point of contact.

Available in all colours, thicknesses and coating types.

HETA



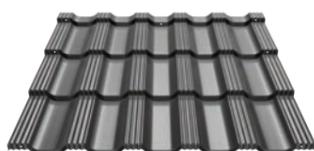
ALFA



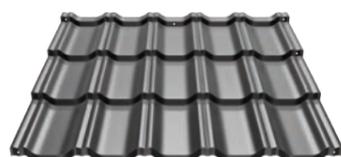
STIGMA



BAVARIA^{ROOF}

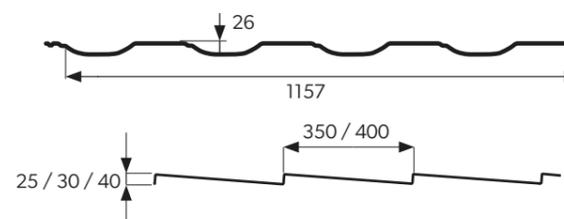


GAMMA



HETA

25/350
25/400
30/350
40/350



Technical parameters [mm]	
Effective width	1157
Overall width	1202
Sheet thickness	0,5
Profile overall height	51/56/66
Embossing height for module 350	25/30/40
Embossing height for module 400	25
Module length	min. 1110 max. 6010
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	60

EASY LINK



3D shaped cut



Pre-punched mounting holes



A proprietary solution that makes the sheets fit together like never before. A special cut and profiling of the outermost embossing allow perfect fitting of the sheets at the point of contact.

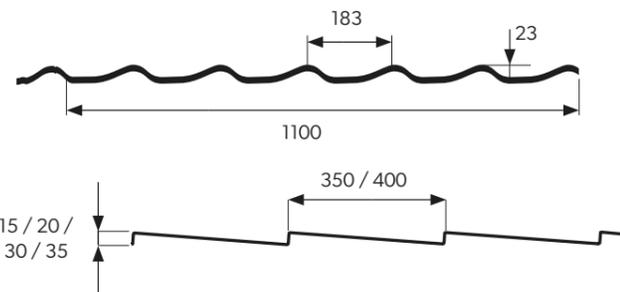
HETA roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably. Only for embossing height 30/40mm.

Number of modules		
Module 350 mm	Module 400 mm	Number of modules
1,11	1,26	3
1,46	1,66	4
1,81	2,06	5
2,16	2,46	6
2,51	2,86	7
2,86	3,26	8
3,21	3,66	9
3,56	4,06	10
3,91	4,46	11
4,26	4,86	12
4,61	5,26	13
4,96	5,66	14
5,31	6,06	15
5,66	6,46	16
6,01	6,86	17
6,36	7,26	18
6,71		19
7,06		20
7,41		21



15/350
15/400
20/350
20/400
30/350
35/350



Technical parameters [mm]

Effective width	1100
Overall width	1183
Sheet thickness	0,5
Profile overall height	38/43/53/58
Embossing height for module 350	15/20/30/35
Embossing height for module 400	15/20
Module length	min. 1110 max. 6010
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	60

Number of modules

Module 350 mm	Module 400 mm	Number of modules
1,11	1,26	3
1,46	1,66	4
1,81	2,06	5
2,16	2,46	6
2,51	2,86	7
2,86	3,26	8
3,21	3,66	9
3,56	4,06	10
3,91	4,46	11
4,26	4,86	12
4,61	5,26	13
4,96	5,66	14
5,31	6,06	15
5,66	6,46	16
6,01	6,86	17
6,36	7,26	18
6,71		19
7,06		20
7,41		21

EASY LINK



A proprietary solution that makes the sheets fit together like never before. A special cut and profiling of the outermost embossing allow perfect fitting of the sheets at the point of contact.

3D shaped cut



ALFA roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

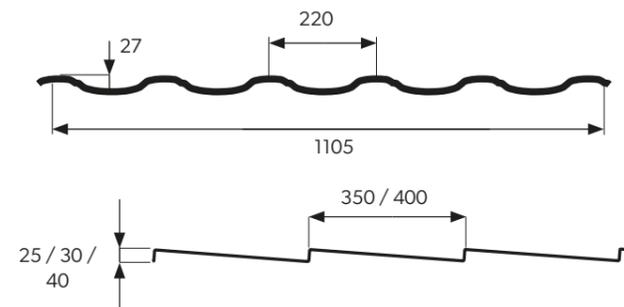
Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably. Only for embossing height 30/40mm.



25/350
25/400
30/350
40/350



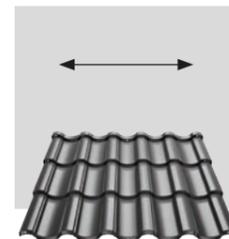
Technical parameters [mm]

Effective width	1105
Overall width	1194
Sheet thickness	0,5
Profile overall height	52/57/67
Embossing height for module 350	25/30/40
Embossing height for module 400	25
Module length	min. 1070 max. 6110
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	20

Number of modules

Module 350 mm	Module 400 mm	Number of modules
1,07	1,22	3
1,42	1,62	4
1,77	2,02	5
2,12	2,42	6
2,47	2,82	7
2,82	3,22	8
3,17	3,62	9
3,52	4,02	10
3,87	4,42	11
4,22	4,82	12
4,57	5,22	13
4,92	5,62	14
5,27	6,02	15
5,62	6,42	16
5,97	6,82	17
6,32	7,22	18
6,67		19
7,02		20
7,37		21

Symmetrical profile



The design of STIGMA compact tiles allows for installation in any direction (left or right).

3D shaped cut



STIGMA roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

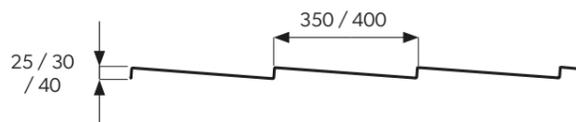
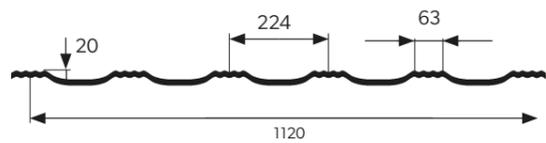
Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably. Only for embossing height 30/40mm.

BAVARIA ROOF

25/350
25/400
30/350
40/350



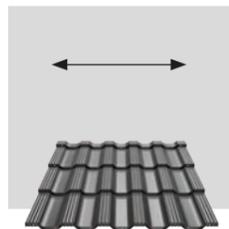
Technical parameters [mm]

Effective width	1120
Overall width	1206
Sheet thickness	0,5
Profile overall height	45/50/60
Embossing height for module 350	25/30/40
Embossing height for module 400	25
Module length	min. 1070 max. 6110
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	20

Number of modules

Module 350 mm	Module 400 mm	Number of modules
1,07	1,22	3
1,42	1,62	4
1,77	2,02	5
2,12	2,42	6
2,47	2,82	7
2,82	3,22	8
3,17	3,62	9
3,52	4,02	10
3,87	4,42	11
4,22	4,82	12
4,57	5,22	13
4,92	5,62	14
5,27	6,02	15
5,62	6,42	16
5,97	6,82	17
6,32	7,22	18
6,67		19
7,02		20
7,37		21

Symmetrical profile



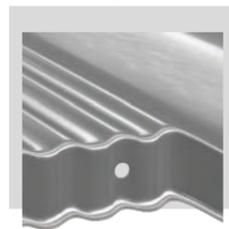
The design of BAVARIA Roof tiles allows for installation in any direction (left or right).

3D shaped cut



BAVARIA Roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

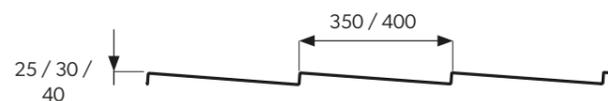
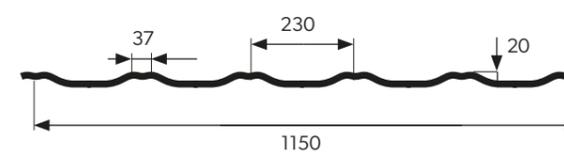
Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably. Only for embossing height 30/40mm.

GAMMA

25/350
25/400
30/350
40/350



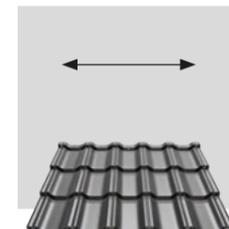
Technical parameters [mm]

Effective width	1150
Overall width	1212
Sheet thickness	0,5
Profile overall height	45/50/60
Embossing height for module 350	25/30/40
Embossing height for module 400	25
Module length	min. 1070, max. 6110
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	20

Number of modules

Module 350 mm	Module 400 mm	Number of modules
1,07	1,22	3
1,42	1,62	4
1,77	2,02	5
2,12	2,42	6
2,47	2,82	7
2,82	3,22	8
3,17	3,62	9
3,52	4,02	10
3,87	4,42	11
4,22	4,82	12
4,57	5,22	13
4,92	5,62	14
5,27	6,02	15
5,62	6,42	16
5,97	6,82	17
6,32	7,22	18
6,67		19
7,02		20
7,37		21

Symmetrical profile



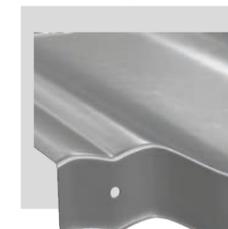
The design of GAMMA tiles allows for installation in any direction (left or right).

3D shaped cut



GAMMA roof tiles are wave-shape cut so that the horizontal joints of the sheets are less visible.

Pre-punched mounting holes



Pre-punched mounting holes on the vertical embossing enable the sheets to be fitted together quickly and tightly. Not only does it make installation easier, but it also speeds up the work considerably. Only for embossing height 30/40mm.

5

RETRO SERIES

45. HETA RETRO

46. ALFA RETRO

47. STIGMA RETRO

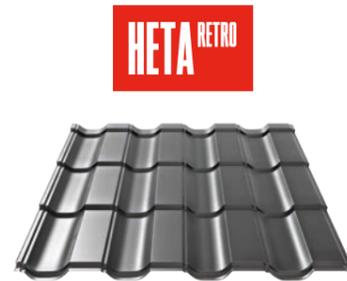
48. GAMMA RETRO

RETRO SERIES

RETRO SERIES is a line of cost-effective roof coverings in the form of sheets adapted to the roof design. The series consists of four tile profiles: ALFA RETRO, GAMMA RETRO, HETA RETRO, and STIGMA RETRO.

RETRO SERIES tiles are cut-to-size sheets that perfectly match the roof design. The economy of the product makes it an excellent solution for large-scale constructions.

The embossing height of the RETRO SERIES profiles is 15 mm and the module length is 350 mm. The RETRO SERIES roof tiles are characterised by an extended eaves cut. The overlap at sheet division is 110 mm.



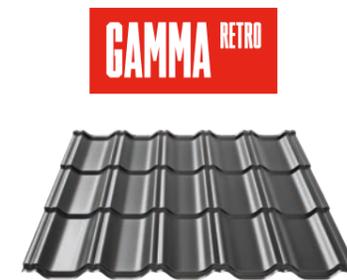
HETA RETRO



ALFA RETRO



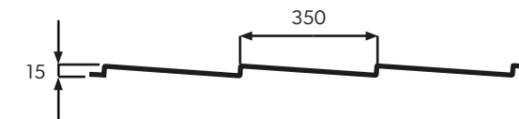
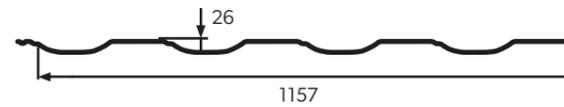
STIGMA RETRO



GAMMA RETRO

HETA RETRO

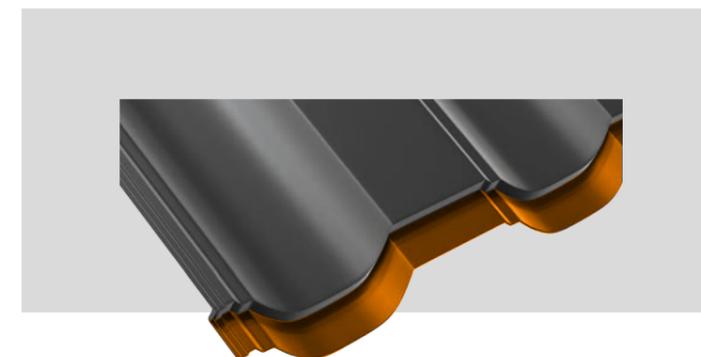
15/350



Technical parameters [mm]

Effective width	1157
Overall width	1202
Sheet thickness	0,5
Embossing height	15
Module length	min. 1160 max. 6060
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	110

OVERLAP

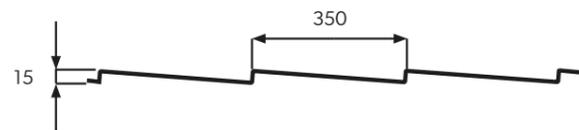
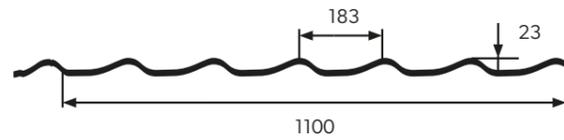


Number of modules

Module 350 mm	Number of modules
0,46	1
0,81	2
1,16	3
1,51	4
1,86	5
2,21	6
2,56	7
2,91	8
3,26	9
3,61	10
3,96	11
4,31	12
4,66	13
5,01	14
5,36	15
5,71	16
6,06	17
6,41	18
6,76	19
7,11	20

ALFA RETRO

15/350



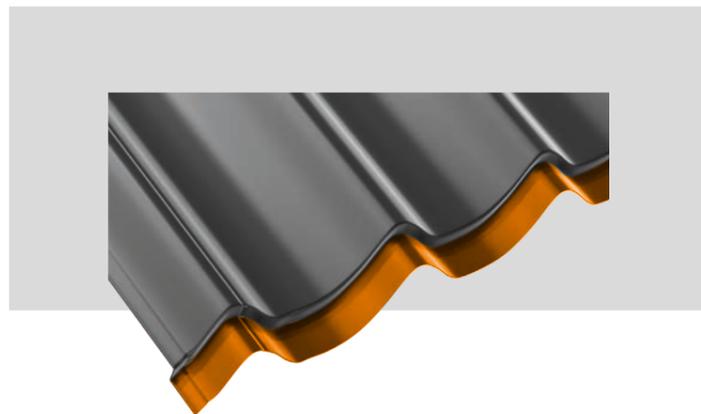
Technical parameters [mm]

Effective width	1100
Overall width	1183
Sheet thickness	0,5
Embossing height	15
Module length	min. 1160 max. 6060
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	110

Number of modules

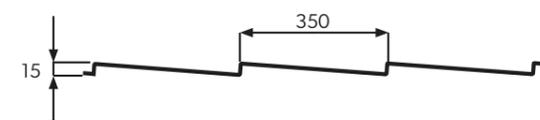
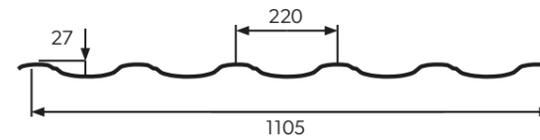
Module 350 mm	Number of modules
0,46	1
0,81	2
1,16	3
1,51	4
1,86	5
2,21	6
2,56	7
2,91	8
3,26	9
3,61	10
3,96	11
4,31	12
4,66	13
5,01	14
5,36	15
5,71	16
6,06	17
6,41	18
6,76	19
7,11	20

OVERLAP



STIGMA RETRO

15/350



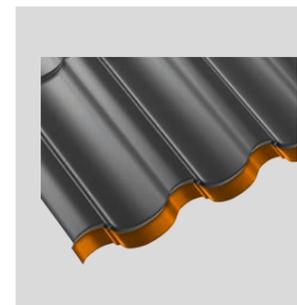
Technical parameters [mm]

Effective width	1105
Overall width	1194
Sheet thickness	0,5
Embossing height	15
Module length	min. 1160 max. 6060
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	110

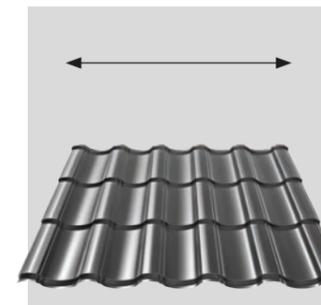
Number of modules

Module 350 mm	Number of modules
0,46	1
0,81	2
1,16	3
1,51	4
1,86	5
2,21	6
2,56	7
2,91	8
3,26	9
3,61	10
3,96	11
4,31	12
4,66	13
5,01	14
5,36	15
5,71	16
6,06	17
6,41	18
6,76	19
7,11	20

OVERLAP

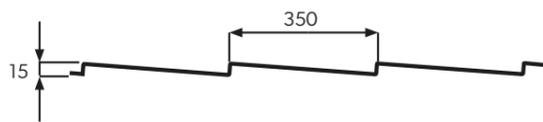
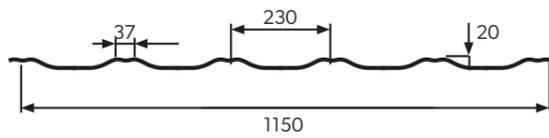


Symmetrical profile



GAMMA RETRO

15/350



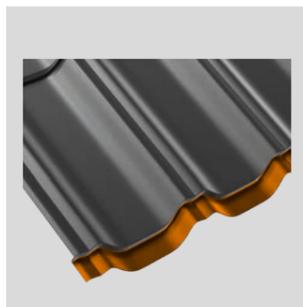
Technical parameters [mm]

Effective width	1150
Overall width	1212
Sheet thickness	0,5
Embossing height	15
Module length	min. 1160 max. 6060
Weight	~ 4,5 kg/m ²
Length of an overlap when separating metal sheets	110

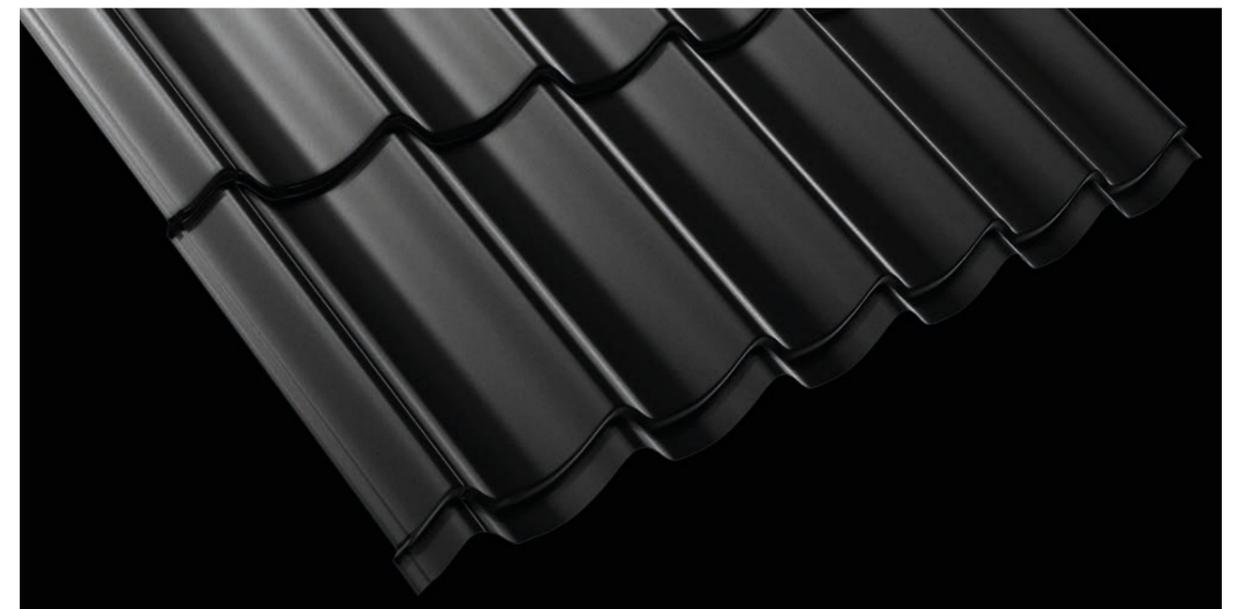
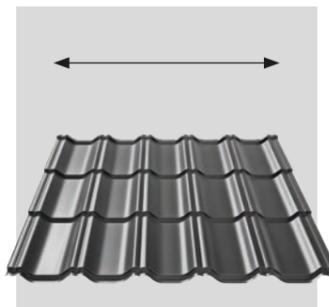
Number of modules

Module 350 mm	Number of modules
0,46	1
0,81	2
1,16	3
1,51	4
1,86	5
2,21	6
2,56	7
2,91	8
3,26	9
3,61	10
3,96	11
4,31	12
4,66	13
5,01	14
5,36	15
5,71	16
6,06	17
6,41	18
6,76	19
7,11	20

OVERLAP



Symmetrical profile



6

LAMBDA 2.0

roof panel

52. **Technical information**

53. **Technical solutions**

60. **Innovative production line**

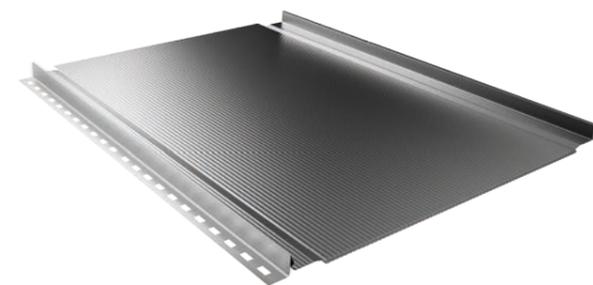
LAMBDA 2.0

TECHNICAL INFORMATION

LAMBDA 2.0 is a lightweight and versatile roof panel. The construction of the panel offers more configuration possibilities and guarantees the state-of-the-art technological solutions while the perfect refinement is reflected in high aesthetics.

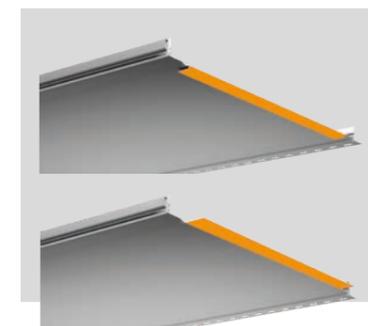
The MICRO RIB longitudinal profile on the entire panel surface minimises the possibility of wave effect while the COVER CAP and BEND LOOK finishes ensure the impeccable appearance of the roof. The roof panels are modernistic forms whose beauty lies in their minimalism and functionality. Therefore, they work well in both modern and traditional architecture.

LAMBDA 2.0 is available in two panel widths (515 mm and 307 mm - effective widths) and four profile types allowing it to be perfectly adapted to the needs of a particular building.



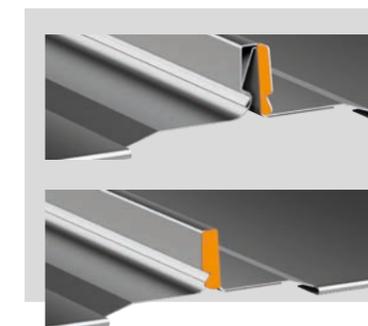
LAMBDA 2.0 – Technical parameters [mm]		
Designation	L.2.0.515	L.2.0.307
Seam height	25	25
Effective width	515	307
Overall width	~547	~339
Sheet thickness	0,5 - 0,7	0,5 - 0,7
Sheet length	min. 1000 / max. 10 000	

BEND LOCK



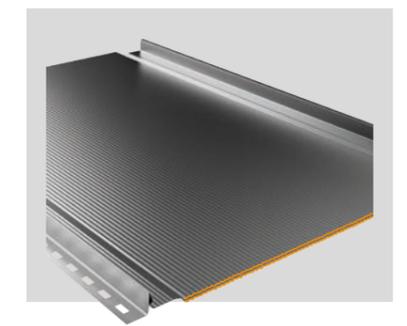
A special panel fold at the eaves part of the roof covers and secures the cut edge and eliminates the need to install screws.

COVER CAP



A solution which additionally increases the functionality of the covering is the COVER CAP element, i.e. panel seam caps on both sides. This solution also increases the visual effect and aesthetics of the covering. The COVER CAPs are bent after the installation of the roofing, hiding the visible joint between the sheets and ensuring that the roof presents a uniform, harmonious surface even from up close.

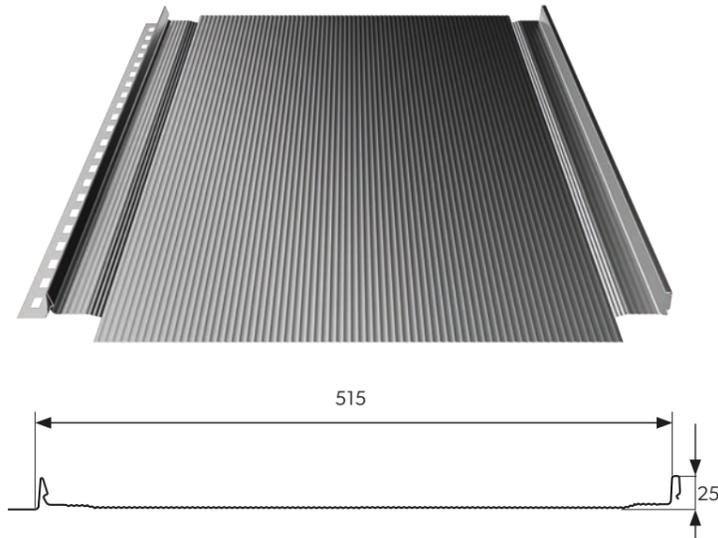
MICRO RIB



Longitudinal micro-corrugation across the entire surface of the sheet minimises the possibility of wave effect on the flat part of the panel

MICRO RIB [M]

The longitudinal micro-corrugation on the entire surface of the sheet minimises the possibility of ripple effect on the flat part of the panel.

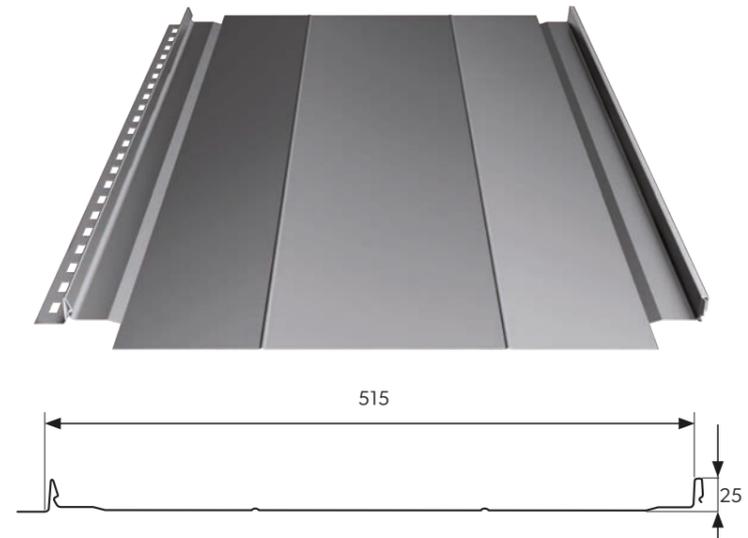


Product code:
LW.2.0.515.M

LAMBDA 2.0 roof panel with MICRO RIB longitudinal micro-corrugation and cut-out for folding.

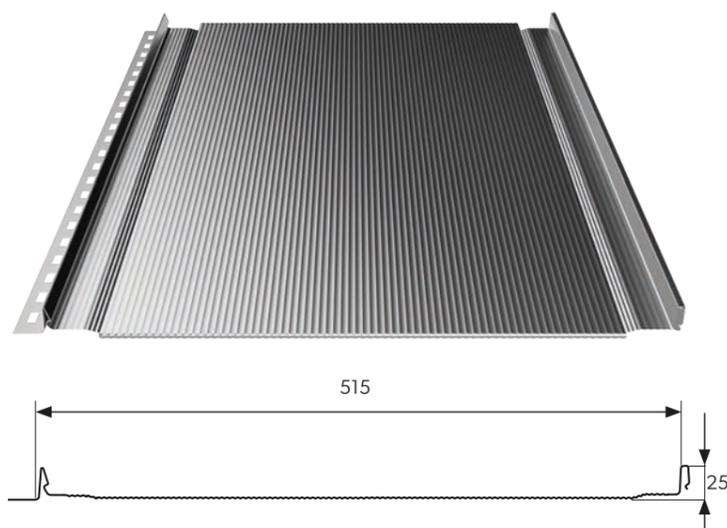
TYPE [R] PROFILING

The surface finish of the panel is longitudinally profiled with symmetrical grooves.



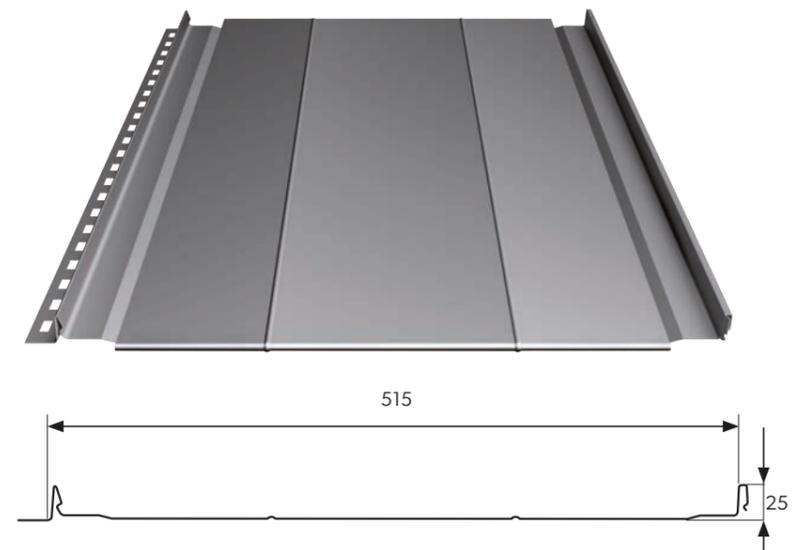
Product code:
LW.2.0.515.R

LAMBDA 2.0 roof panel with double semicircular corrugation and cut-out for folding.



Product code:
LWZ.2.0.515.M

LAMBDA 2.0 roof panel with MICRO RIB longitudinal micro-corrugation and BEND LOCK fold.

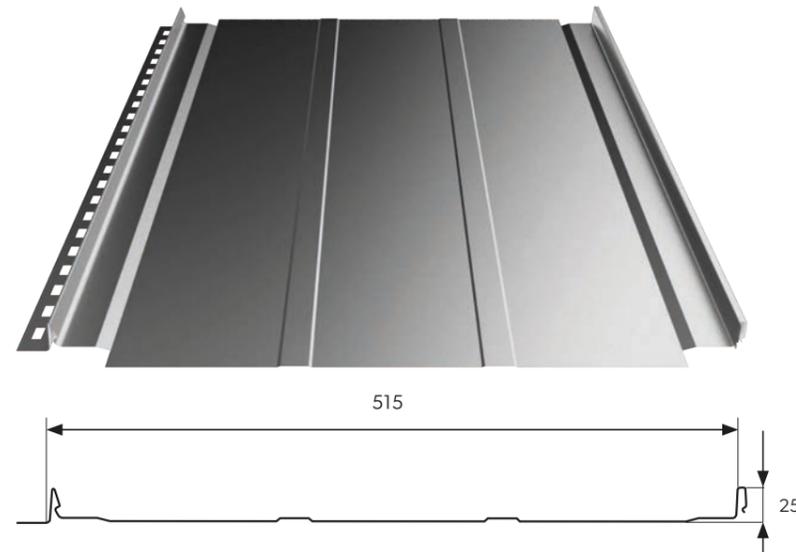


Product code:
LWZ.2.0.515.R

LAMBDA 2.0 roof panel with double semicircular corrugation and BEND LOCK fold.

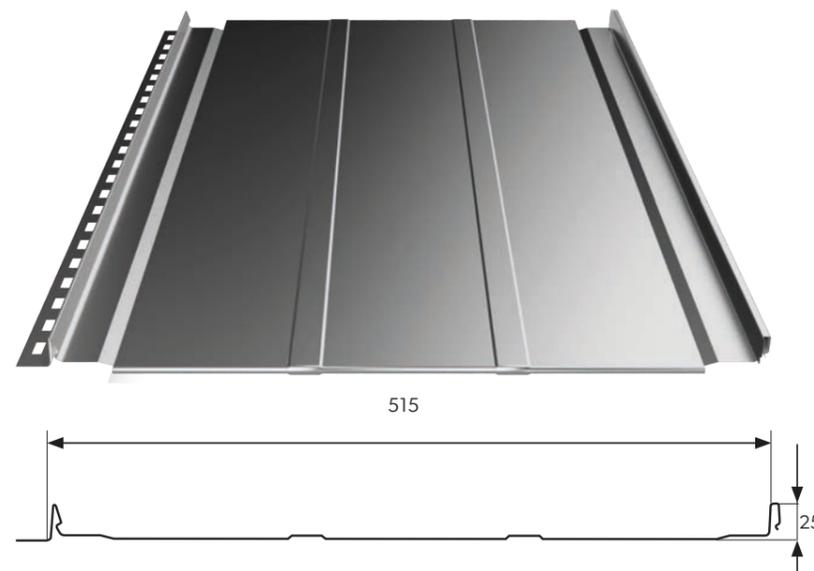
TYPE [T25] CORRUGATION

Finishing of the panel surface with longitudinal corrugation in the shape of a wide trapezoid.



Product code:
LW.2.0.515.T25

LAMBDA 2.0 roof panel with double trapezoidal corrugation and cut-out for folding.



Product code:
LWZ.2.0.515.T25

LAMBDA 2.0 roof panel with double trapezoidal corrugation and BEND LOCK fold.

SHEET WITHOUT CORRUGATION [P]

Classic panel surface without any corrugation.



Product code:
LW.2.0.515.P

LAMBDA 2.0 roof panel with flat surface and cut-out for folding.

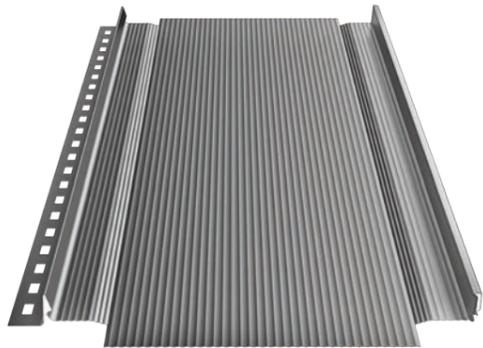


Product code:
LWZ.2.0.515.P

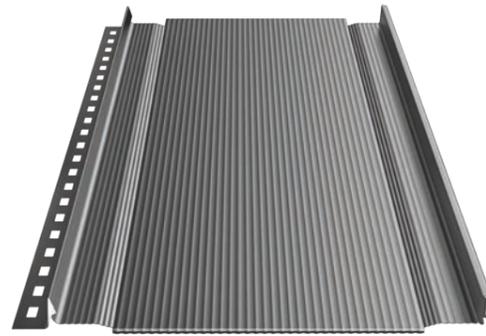
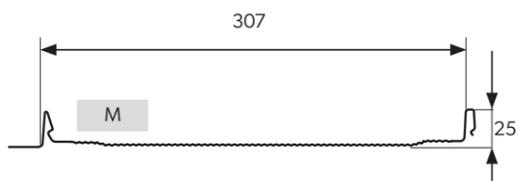
LAMBDA 2.0 roof panel with flat surface and BEND LOCK fold.



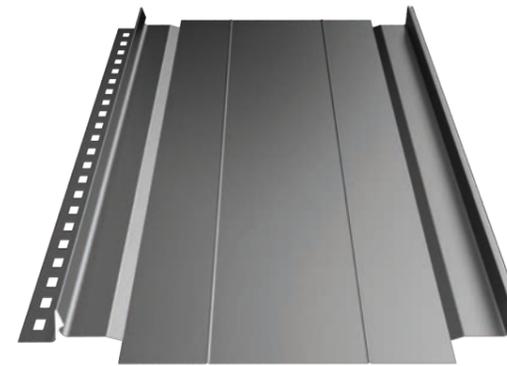
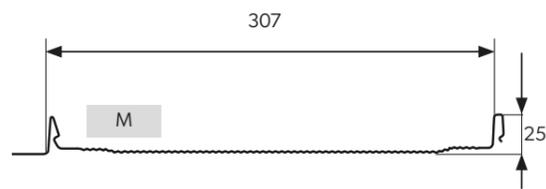
ATTENTION! Due to the construction of the roof panels, it is possible that the effect of so-called „waving“ of the metal sheet on the roofing occurs. This is a natural phenomenon for this type of product.



Product code: LW.2.0.307.M



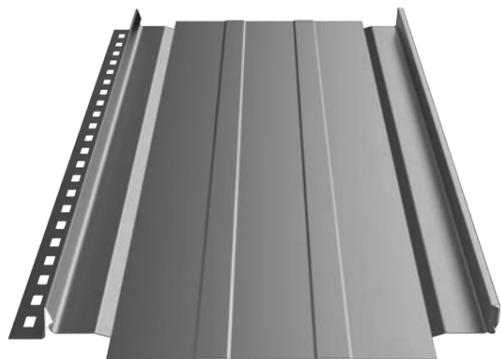
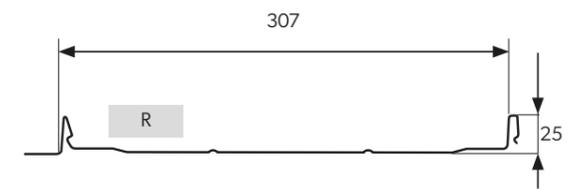
Product code: LWZ.2.0.307.M



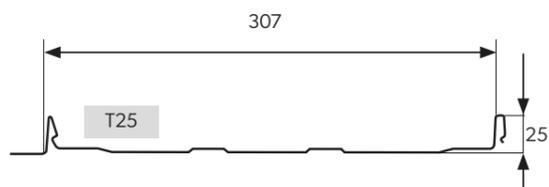
Product code: LW.2.0.307.R



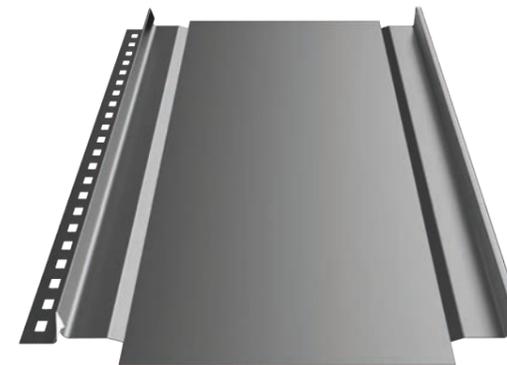
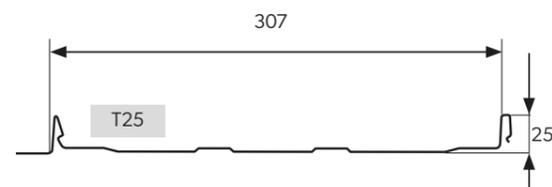
Product code: LWZ.2.0.307.R



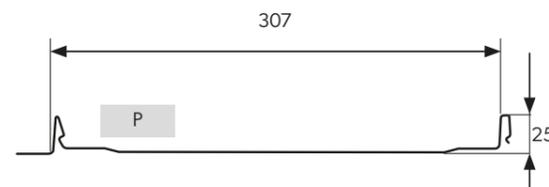
Product code: LW.2.0.307.T25



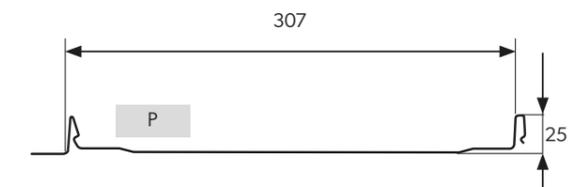
Product code: LWZ.2.0.307.T25



Product code: LW.2.0.307.P



Product code: LWZ.2.0.307.P



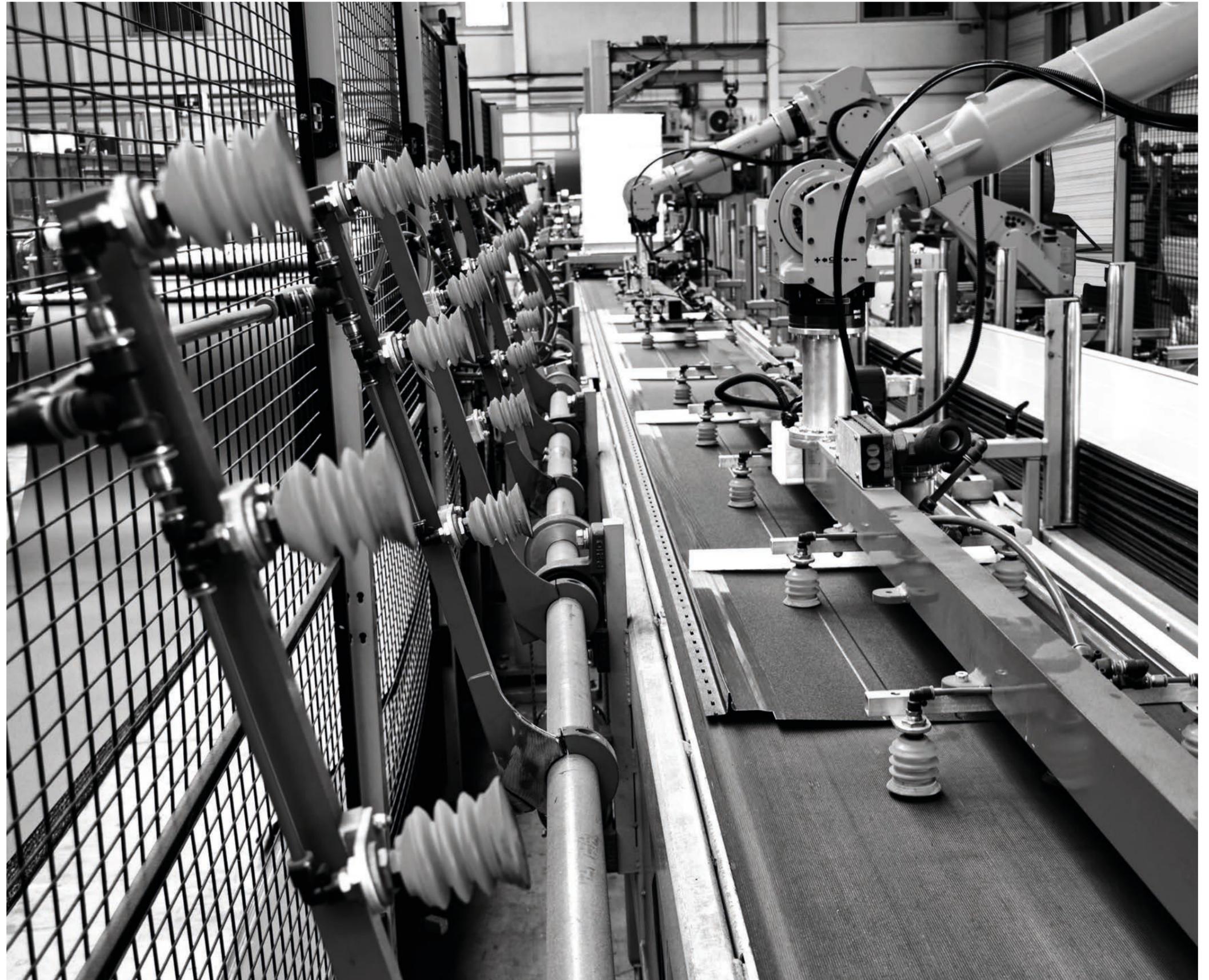
ATTENTION! Due to the construction of the roof panels, it is possible that the effect of so-called „waving“ of the metal sheet on the roofing occurs. This is a natural phenomenon for this type of product.

INNOVATIVE PRODUCTION LINE

The highly automated and technologically advanced production line has been equipped with two cooperating robot units, enabling the implementation of an innovative process for securing and packing the panels, which allow them to be transported in a vertical orientation.

This solution minimises the risk of damage to the product during transport as well as when manoeuvring it on site. Robotisation of production processes through excellent precision and repeatability does not expose the material to distortion and ensures maximum quality and accuracy of the product.

- A unique line equipped with two cooperating robot units.
- Increased production line efficiency, transport safety.
- Packing in vertical arrangement.
- Very high repeatability of product parameters.



7

INGURI

Steel gutter system INGURI

64. **Technical information**

65. **Description of elements**

66. **Advantages of INGURI gutter systems**

70. **Colours**

71. **Feedstock**



TECHNICAL INFORMATION

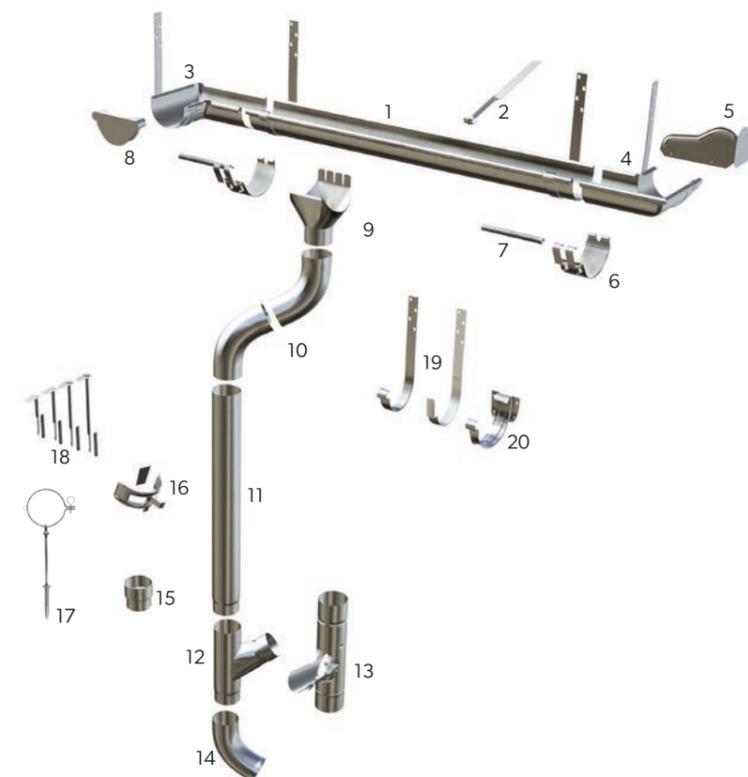
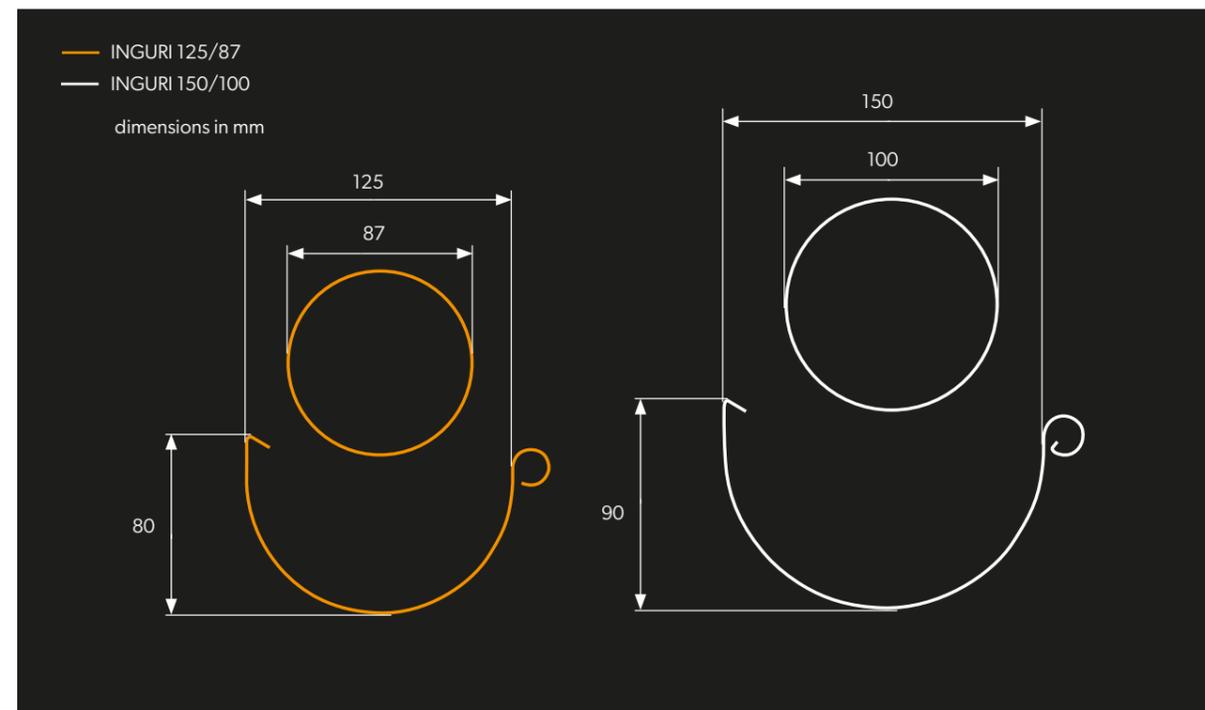
The use of a proper gutter system allows efficient drainage of water from the roof covering which is crucial for its durability and functionality. It also protects the façade of the building from damage caused by moisture.

INGURI 125/87 and 150/100 systems are complete gutter systems, manufactured from top quality steel coated on both sides. All system components have been designed to ensure correct fit and easy and quick installation.

The shape and depth of the gutters ensure effective water drainage even during heavy and prolonged rainfall.



DESCRIPTION OF ELEMENTS



1	Gutter
2	Gutter support
3	Inner corner
4	Outer corner
5	Corner cover
6	Gutter fasteners
7	Fastener stabilizer
8	Gutter end cap
9	Gutter outlet
10	Drain pipe elbow
11	Drain pipe
12	Tee pipe
13	Cleanout
14	Spout
15	Sleeve
16	Drain pipe clamp half
17	Screw clamp
18	Dowels for screw clamp
19	Top rafter hooks
20	Face hook

ADVANTAGES OF INGURI GUTTER SYSTEMS



PROTECTION OF YOUR HOME

Using the right gutter system allows water to be efficiently drained from the roofing material which is crucial to its durability and functionality. It also protects the facade of the building from the effects caused by moisture. Gutter system INGURI 125/87 and 150/100 is a complete system produced from the highest quality organic coated steel or metallic coating Aluzinc. This system will effectively protect your home.



RELIABLE TIGHTNESS

The joint with the stabilizer is equipped with a gasket that ensures the tightness of the system even under extreme weather conditions. Complementary to the gutter is a bottom, equipped with gaskets, with the possibility of riveting and screwing.



EXCELLENT WATER DRAINAGE

INGURI gutters are much deeper than competitive products, this design prevents the phenomenon of overflow of water outside the gutter, which occurs during heavy rainfall. Ergonomic gutters protect the facade against stains.



HIGH RESISTANCE TO WEATHER CONDITIONS

Used for the manufacture of INGURI gutter systems sheet metal with a thickness of 0.6 mm is coated with an organic layer. The coating has a very high resistance to atmospheric factors and mechanical damage and influence of sun rays (UV) responsible for loss of color. INGURI systems are also produced from Aluzinc 185 sheets with an additional Easyfilm polymer coating on both sides.



PEACE OF MIND FOR YEARS

INGURI system is covered by 30-years manufacturer warranty. Such a long warranty period is ensured by high quality of the input material and many years of experience of the manufacturer. By using materials with the highest technical parameters, we give our customers a product that provides peace of mind for years.



SIMPLE INSTALLATION

INGURI system consists of perfectly matching elements thanks to which installation is easy and quick.



INGURI ON THE MOVE

The long pieces are protected with a special foil sleeve so that the delivered material remains flawless. The gutters are transported in a specially equipped vehicle with balcony systems to warranty the safety of the material.



WIDE RANGE OF COLORS

The offer of a complete gutter system INGURI includes a wide range of colors that allow the gutter system to put the finishing touches to the roof. The right choice of gutter system guarantees a flawless effect of the investment and harmony.



COMPLETE OFFER

When you buy a complete roofing with gutter system INGURI, you get a longer warranty.

- * 30 years ULTIMAT [UTK] coating.
- * 40 years HERCULIT [HC] coating.



GUTTER

The shape of INGURI gutters is specially designed to ensure high efficiency in draining water. They have great depth and the proper profile to effectively collect water from the roof slope even during heavy rainfall without the risk of overflow. We manufacture gutters in standard lengths of 4 and 3 m.



INNER/OUTER CORNER

Aesthetic and functional connection of gutters in the corners of the building is ensured by gutter corners. Our range includes outer and inner corners with a standard 90° angle as well as 135° versions.



DRAIN PIPE

The drain pipe collects water from the gutters and directs it to the spout. The design and proper installation of this element greatly affects the functionality of the entire drainage system. The gutter drain of the INGURI systems is very well matched to the other components, ensuring a tight and solid installation. Available versions: 125/87, 125/100, 150/100.



CORNER COVER

The cover prevents water from overflowing through the corner. This is particularly important if it is fitted to an inner corner that receives large amounts of water from the valley gutter. It also has an ornamental role.



GUTTER FASTENER

The individual sections of the gutter or the gutter with the corner are connected by means of a dedicated fastener. INGURI systems are equipped with a clip fastener (snap mechanism) to ensure a strong and durable joint with quick and easy installation. The standard fitting of the fastener with a gasket guarantees a tight connection while the execution of the element of sheet metal of the same colour as the remaining parts of the system ensures high aesthetics. The fastener is equipped with a stabiliser as standard, which additionally stiffens the joint.



TEE PIPE

If it is necessary to discharge water from two drain pipes into one spout, a tee pipe should be used.



SPOUT

The starting element of a gutter system is the spout, which carries the water away from the drain pipe. The product on offer has an angle of 63° and a section of 87 or 100 mm."



DRAIN PIPE ELBOW

It allows the system components to be adapted to different roof and façade shapes. The offered product is bent at an angle of 63°."



DRAIN PIPE

INGURI system drain pipes have a cross-section of 87 and 100 mm. Standard pipe lengths are 3m and 1m. Fixing to the façade is carried out using dedicated clamps to ensure adequate distance from the building wall.



TOP RAFTER HOOK

The top rafter hook is mounted directly to the rafters of the roof.



FACE HOOK

The face hook is a gutter fixing element mounted to the eaves fascia board.



CLEANOUT

This element stops and enables the removal of debris falling into the drain pipe together with the water, such as leaves, feathers and small branches. This helps to maintain the system's patency and, as a result, its full functionality.



GUTTER SUPPORT

An element for additional fixing of the gutter to the roof structure. It prevents deformation or breakage of the gutter as a result of heavy loads, e.g. due to snow sliding off the roof.



GUTTER END CAP

A component used to close the gutter at its ends. The offered cap has a large depth and is additionally equipped with a gasket.



PIPE CLAMP / SCREW CLAMP

We offer two types of clamps: those with mounting holes for any type of fastener and those adapted for a dedicated connector.



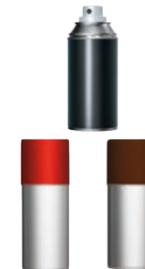
SLEEVE

Drain pipes are connected by means of a sleeve. The precise manufacture of this element means that there is no risk of leakage at the joint.



DOWELS FOR SCREWED CLAMPS

We supply dowels for clamps in three lengths: 160, 250 and 300mm.



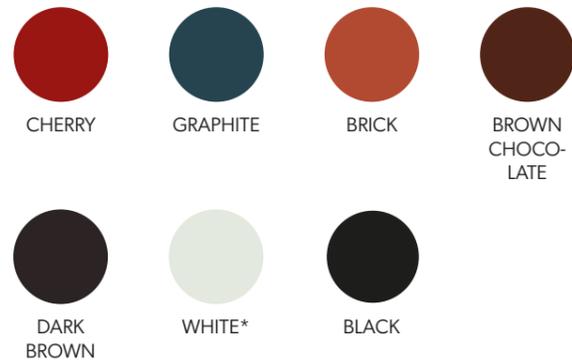
ACCESSORIES

We ensure the availability of accessories for gutter systems: gliding spray, silicones and touch-up paint.

COLOURS

INGURI

INGURI gutters are manufactured from hot-dip galvanised sheet metal which, after chemical cleaning and passivation, is coated with a multi-layer anticorrosive and decorative organic coating. The thickness of the sheet is 0.6 mm while the organic layer is a material with very high resistance to weathering, mechanical damage, and the effects of solar radiation (UV) responsible for the loss of colour.



Paint coating thickness	Zinc coating thickness	Corrosion resistance	UV resistance	Warranty period (years)
50 µm	275 g/m ²	RC4	RUV3	30

Aluzinc INGURI [AZ 185]

It is a steel sheet coated on both sides with an aluminium-zinc alloy in a process similar to hot-dip galvanizing. Thanks to this, it meets the strictest requirements for sheet resistance to atmospheric corrosion and corrosion in humid environments. It also has a protective Easyfilm polymer coating."



Coating thickness	Corrosion resistance	UV resistance	Warranty period (years)
185 g/m ²	RC3	n/a	15

! * The white colour is only available for the INGURI 150/100 system.

! Printing technology does not allow for faithful colour rendition, so the colours shown are approximate and may differ from actual colours.

! Detailed warranty conditions are specified in the warranty certificate.

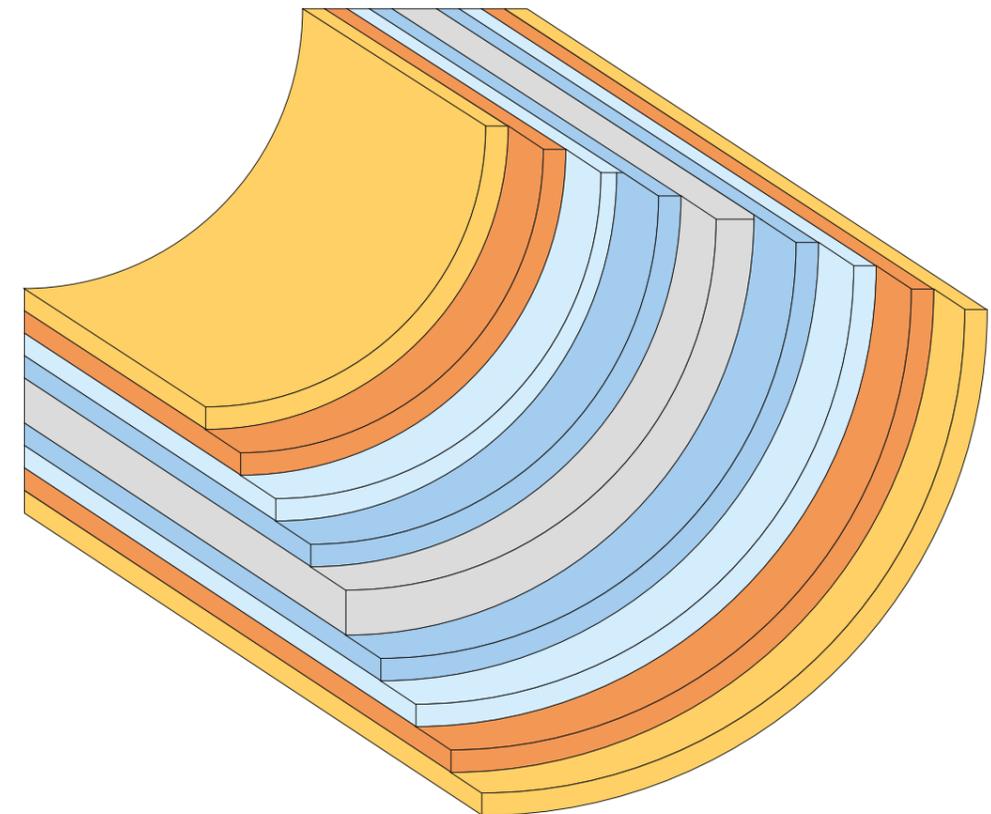
FEEDSTOCK

The suppliers of material for the manufacture of INGURI gutters are renowned steel corporations, providing the highest quality steel in the form of Aluzinc sheets - galvanised and coated - which are the input material for the manufacture of gutters.

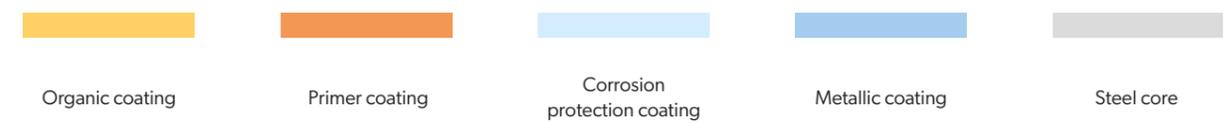
Careful selection of the feedstock supplier has a major impact on the quality and durability of the product. This is expressed by its resistance to corrosion and discolouration.

This is why INGURI gutter systems are covered by a long-term warranty.

Coated sheet cross-section



Key



Flashings and accessories

74. **Flashings**

80. **Accessories**

80. **Roof walkway system**

81. **Roof vents and windows**

81. **Skylights**

NEW FLASHINGS IN THE OFFER

BP2 Brand is continuously developing and tailoring their products to the needs of their customers. Hence, we have updated our flashings offer that saves installation time on the roof and ensures solid execution as well as highest aesthetics. Their professional installation is the key to the success of roofing details crafted with diligence.



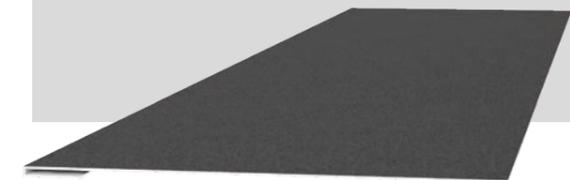
BARGE FLASHING III

Two-piece edge element of the roof that consists of a drain pipe and top barge flashing. It is characterized by aesthetic side ribs. Additionally, due to mounting recesses located in the bottom section, no screws are required in the top section of the barge flashing. Installation is carried out by folding the top edge.



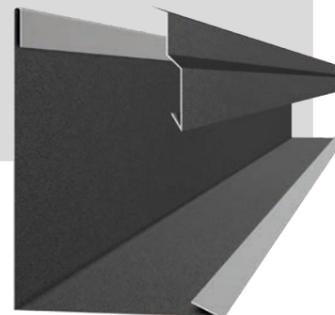
LAMBDA 2.0 PANEL FASTENER

The following flashing provides a cross-connection of the panels using the so-called folding method. It guarantees high aesthetics of the connection.



WALL FLASHING WITH AN EXPANSION JOINT STRIP

The following two-piece flashing ensures the tightness of the connection between the main flashing and the wall. It enables a thermal shift between steel sheets without unsealing them.



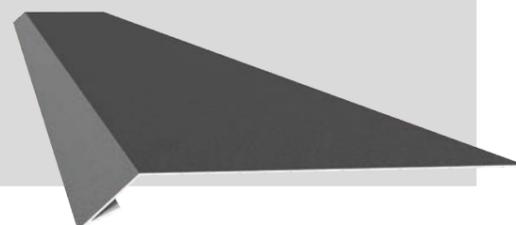
BARGE FLASHING III - LAMBDA 2.0

Roof edge element characterized by aesthetic side ribs. Additionally, due to mounting recesses located in the bottom section, mounting screws are almost invisible to the eye.



EAVES TRIM

The following flashing discharges condensate from the roof to the gutter (in case of face hooks) or outside the universal gutter fascia (in case of rafter hooks).



UNIVERSAL VERGE TRIM/BARGE FLASHING EXTENSION

Universal verge trim is characterized by a special bottom bend used to cover the exposed edges of the soffit board. It also serves as a barge flashing extension.



FLASHINGS

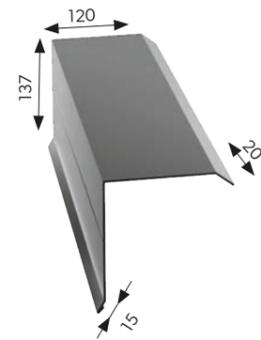
Ridge tiles and flashings are an inseparable part of any properly executed roofing. They protect against seepage and overhanging while, at the same time, giving the roof an aesthetically pleasing appearance.

The flashings are made of sheet metal having the same range of coatings and colours as our tile roofing, trapezoidal sheet metal, and roof panels

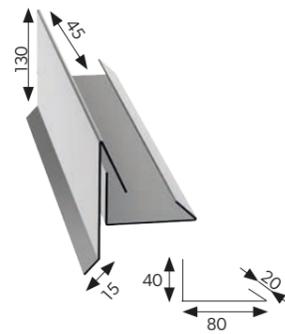


Standard flashings are 2 m long and 0.5 mm thick. Custom flashings up to 8 m length and 2 mm thickness.

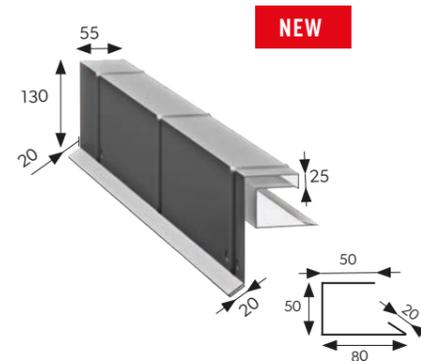
BARGE FLASHINGS



BARGE FLASHING I



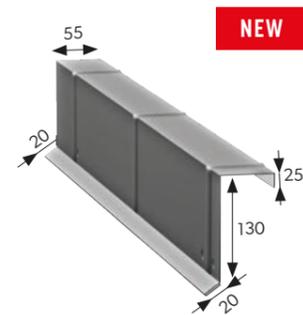
BARGE FLASHING II



BARGE FLASHING III

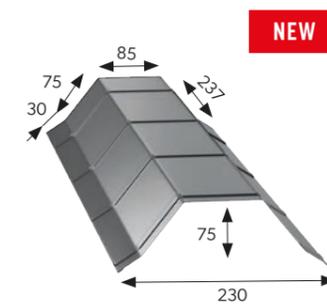


BARGE FLASHING II - LAMBDA 2.0

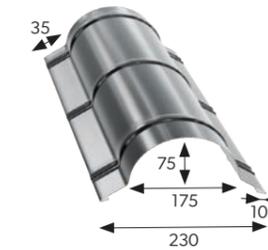


BARGE FLASHING III - LAMBDA 2.0

RIDGE TILES



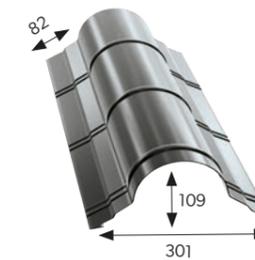
RIDGE TILE IZI



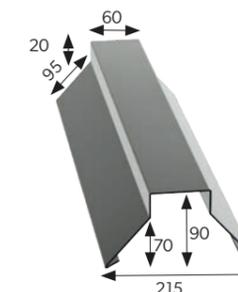
RIDGE TILE ZET



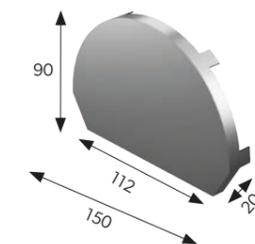
BARREL RIDGE TILE



WIDE BARREL RIDGE TILE



TRAPEZOIDAL RIDGE TILE

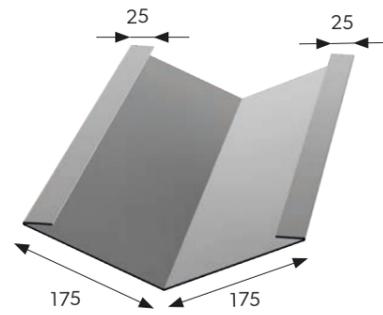


BARREL RIDGE CAP

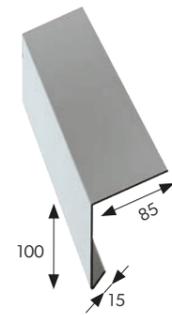


RIDGE CAP

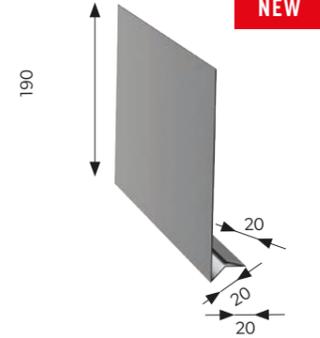
VALLEY GUTTER AND GUTTER FASCIAS AND DRIP EDGES



VALLEY GUTTER



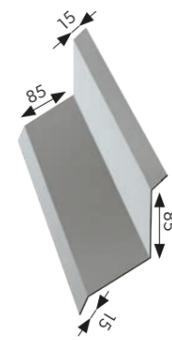
DRIP EDGE



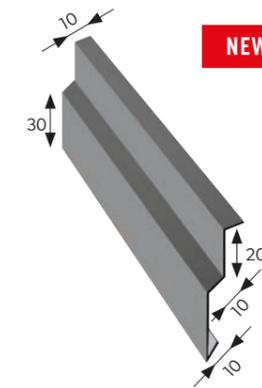
UNIVERSAL GUTTER FASCIA / BARGE FLASHING EXTENSION

NEW

WALL FLASHINGS

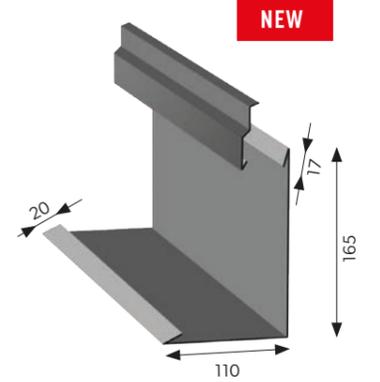


WALL FLASHING I



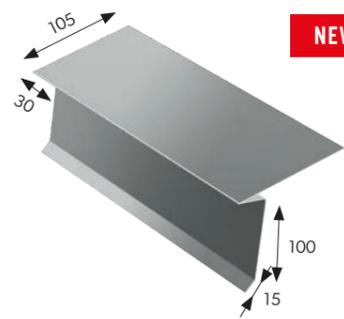
EXPANSION JOINT STRIP

NEW



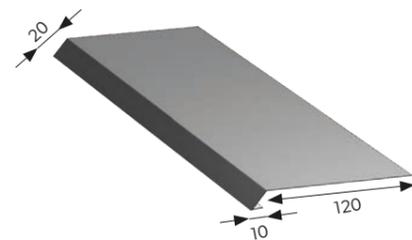
WALL FLASHING WITH AN EXPANSION JOINT STRIP

NEW



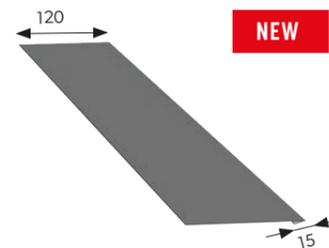
STARTING DRIP EDGE LAMBDA 2.0

NEW



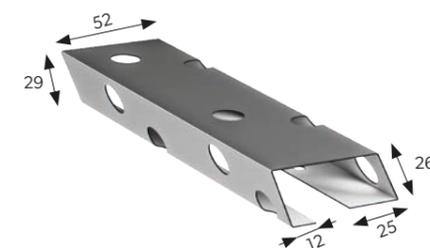
EAVES TRIM

EXTRAS

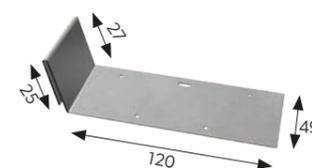


PANEL FASTENER LAMBDA 2.0

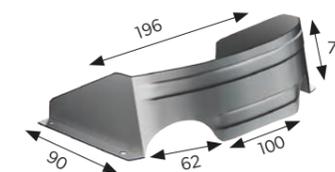
NEW



UNIVERSAL VENTILATION FLASHING



STARTING PROFILE ZET Look



SNOW GUARD

Accessories

Our product range is complemented by accessories. They allow for professional installation and protection of the roof or façade. We have high quality products from renowned manufacturers in stock:

- ridge tapes,
- gaskets (also expandable),
- fixing systems,
- roofing silicones,
- roof vents,
- roof walkway system,
- skylights,
- flashings,
- sealing tapes,
- roofing membranes,
- farmer screws and TORX screws.



TORX screw made of low-carbon steel with an EPDM washer, for fixing sheets to wooden substrate, dedicated to modular metal roof tiles (MODULAR SERIES) and compact metal roof tiles (COMPACT SERIES). The screw is also designed for stitching sheets together on vertical embossments. The main advantage is the ergonomic shape of the head thanks to which they are less visible, which gives an aesthetic appearance to the entire roof.

The screws are available in colours compatible with the roof covering.



Roof walkway system

A roof walkway system consists of roof equipment installed to allow safe access to chimneys, vents and antennas. Access is possible at any time of the year and is not prevented even by snow. Once the roof walkway system is installed, the fear of mechanical damage (indentation) to the roof covering also disappears.

All listed components are made of high-grade galvanised and powder-coated steel. They warranty many years of use without the need for painting or refilling due to corrosion. Thanks to their construction, they can withstand very strong wind loads, and the effects of snow and ice are counteracted by a specially designed ribbed anti-slip surface. The products are available in a wide range of colours, which makes it possible to synchronise the colour of the roof covering with the chimney sweeps and other components of the system.

We offer:

- benches,
- steps,
- snow barriers.



Roof vents and windows

Proper roof ventilation is crucial to remove excess water vapour from the building while also preventing it from condensing in rooms. Our offer includes roof vents with a set of accessories allowing for tight installation on the roof plane as well as accessories: antenna passages and ventilators. The vent range is suitable for all types of roofing.

Roof vents we offer are also available with additional insulation to prevent condensation in the ventilation duct. They are especially recommended for ventilating rooms with high humidity levels, such as kitchens, bathrooms, and garages.

The use of roof windows offered by us allows for the development of attics, ensuring their full illumination. Regardless of the angle of the roof or distance between the rafters, windows can be selected to suit customer needs and expectations.

In addition, we offer special windows for rooms with increased humidity, very low angles of inclination or electric control. The possibility to rotate the window ensures easy maintenance, and proper wood protection at the production stage - allows for many years of use without additional maintenance.



Skylights

Skylights are trapezoidal profiles made of transparent polycarbonate. They are used to provide light to buildings and have the advantages of lower cost compared to glass counterparts and can be installed in cold halls.

Available profiles : T18, T18 ECO, T35, T50*

*on request



Trapezoidal sheets

- 84. **SINUS**
- 86. **T7, T14**
- 87. **T18, T18 ECO**
- 88. **T35, T35 ECO**
- 89. **T50, T55**
- 90. **T60, T80**
- 91. **T130, T135-930**
- 92. **T135-950, T153**
- 93. **T160, T200**

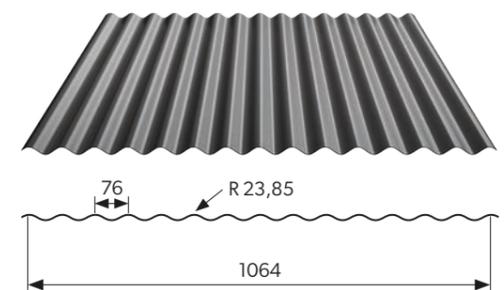
SINUS



NEW PRODUCT IN THE OFFER CORRUGATED STEEL SHEET SINUS

Corrugated steel sheets which have been used in large format facilities also prove to be effective as a roofing or facade material in smaller buildings, such as garages or umbrella roofs. Also, these products are more often employed in modern urban residential development.

The corrugated profile **SINUS** is a successful combination of a traditional shape and latest protective coatings. Drawing on the aesthetics of classic forms, it offers a wide range of finishing options giving the roof an interesting visual effect.



Technical parameters [mm]	
Effective width	1064
Total width	~1100
Profile height	18
Thickness	0,5-1,0
Max. sheet length	8000



WARRANTY
UP TO 40 YEARS



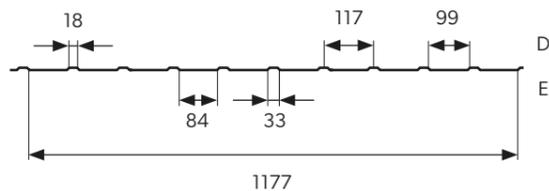
EASY
INSTALLATION



PERFORATION
OPTIONS

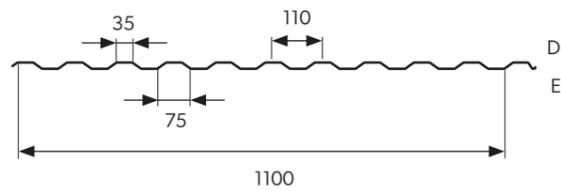
T7

Technical parameters [mm]	
Effective width	1177
Overall width	~1210
Profile height	7,0
Sheet thickness	0,5-1,0
Maximum sheet length	6000



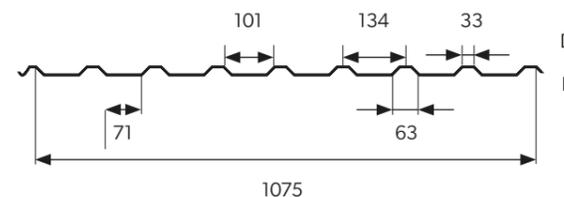
T14

Technical parameters [mm]	
Effective width	1100
Overall width	~1161
Profile height	13
Sheet thickness	0,5-1,0
Maximum sheet length	8000



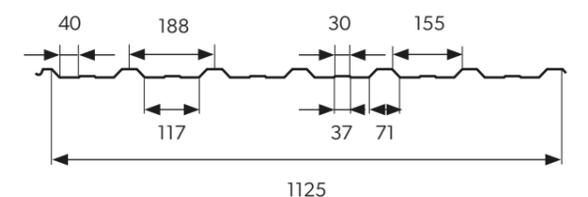
T18

Technical parameters [mm]	
Effective width	1075
Overall width	~1125
Profile height	17
Sheet thickness	0,5-1,0
Maximum sheet length	12 000



T18 ECO

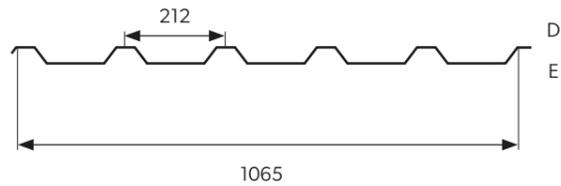
Technical parameters [mm]	
Effective width	1125
Overall width	~1173
Profile height	17
Sheet thickness	0,5-1,0
Maximum sheet length	12 000



We offer perforation of trapezoidal sheets. Details (shape, size, hole pattern, etc.) are agreed individually with the sales department.
For more information, see page 124.

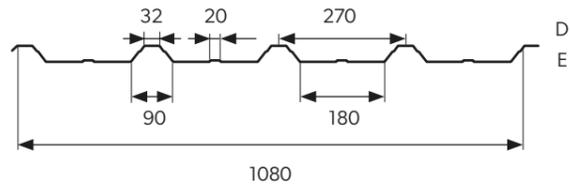
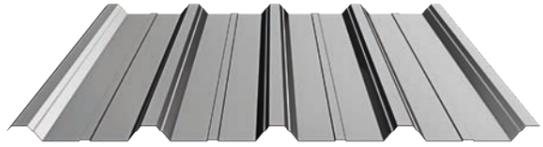
T35

Technical parameters [mm]	
Effective width	1065
Overall width	~1106
Profile height	34
Sheet thickness	0,5-1,0
Maximum sheet length	12 000



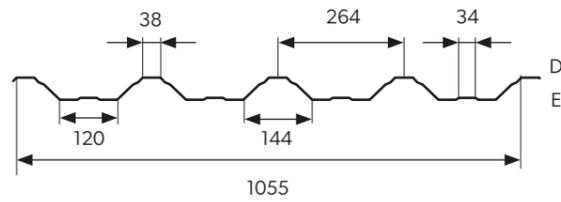
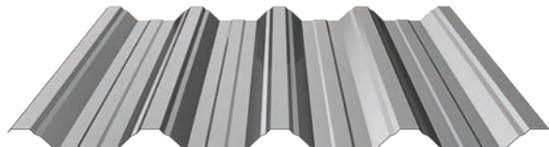
T35 ECO

Technical parameters [mm]	
Effective width	1080
Overall width	~1120
Profile height	34
Sheet thickness	0,5-1,0
Maximum sheet length	12 000



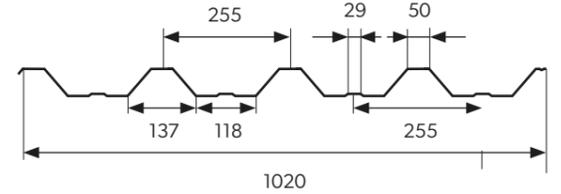
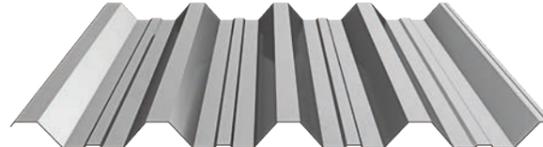
T50

Technical parameters [mm]	
Effective width	1055
Overall width	~1100
Profile height	47
Sheet thickness	0,5-1,0
Maximum sheet length	12 000



T55

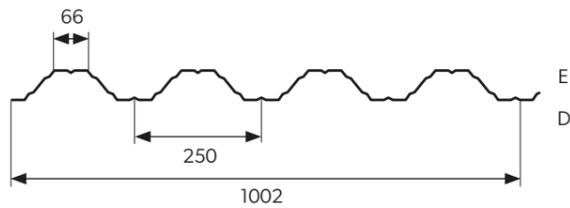
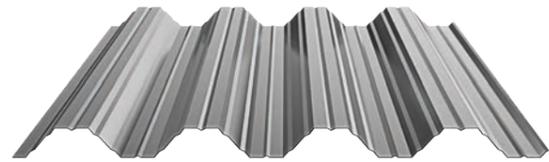
Technical parameters [mm]	
Effective width	1020
Overall width	~1054
Profile height	53
Sheet thickness	0,5-1,0
Maximum sheet length	12 000



We offer perforation of trapezoidal sheets. Details (shape, size, hole pattern, etc.) are agreed individually with the sales department.
For more information, see page 124.

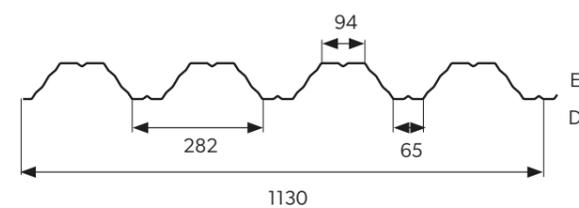
T60

Technical parameters [mm]	
Effective width	1002
Overall width	~1040
Profile height	61
Sheet thickness	0,7-1,25
Maximum sheet length	12 000



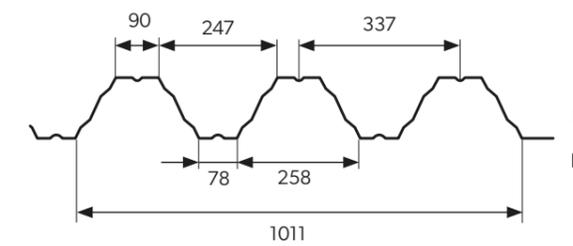
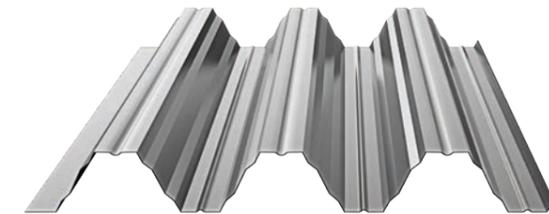
T80

Technical parameters [mm]	
Effective width	1130
Overall width	~1165
Profile height	82
Sheet thickness	0,7-1,5
Maximum sheet length	14 000



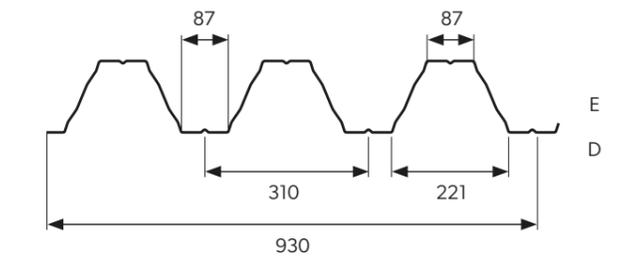
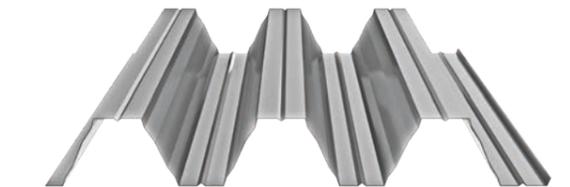
T130

Technical parameters [mm]	
Effective width	1011
Overall width	1045
Profile height	134
Sheet thickness	0,7-1,5
Maximum sheet length	14 000



T135-930

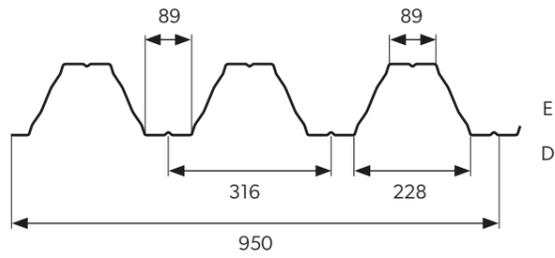
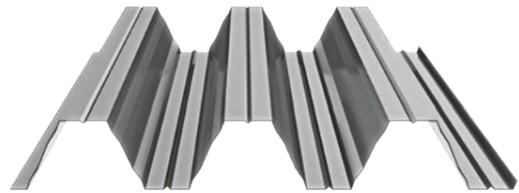
Technical parameters [mm]	
Effective width	930
Overall width	~974
Profile height	135
Sheet thickness	0,7-1,5
Maximum sheet length	14 000



We offer perforation of trapezoidal sheets. Details (shape, size, hole pattern, etc.) are agreed individually with the sales department.
For more information, see page 124.

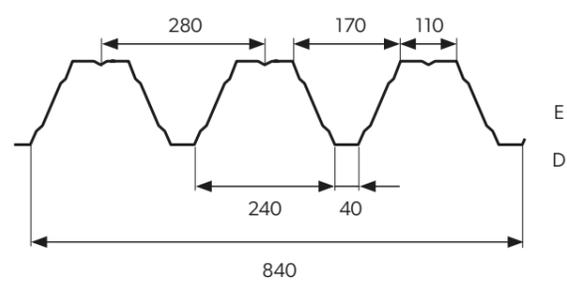
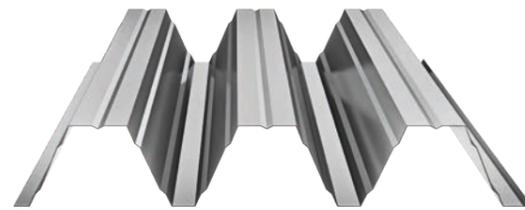
T135-950

Technical parameters [mm]	
Effective width	950
Overall width	~994
Profile height	134
Sheet thickness	0,7-1,5
Maximum sheet length	14 000



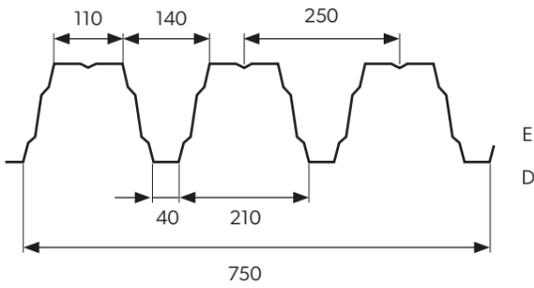
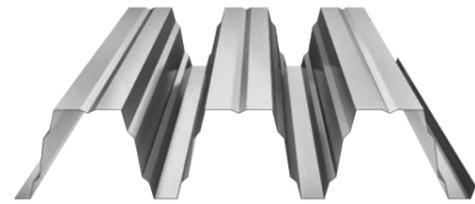
T153

Technical parameters [mm]	
Effective width	840
Overall width	~880
Profile height	155
Sheet thickness	0,7-1,5
Maximum sheet length	14 000



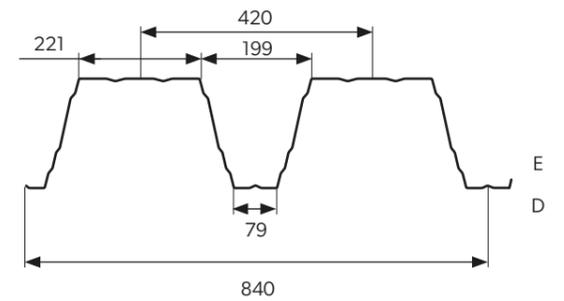
T160

Technical parameters [mm]	
Effective width	750
Overall width	~790
Profile height	162
Sheet thickness	0,75-1,5
Maximum sheet length	14 000



T200

Technical parameters [mm]	
Effective width	840
Overall width	~883
Profile height	200
Sheet thickness	0,75-1,25
Maximum sheet length	15 000



We offer perforation of trapezoidal sheets. Details (shape, size, hole pattern, etc.) are agreed individually with the sales department.
For more information, see page 124.



10

Liner Tray and PROSYSTHERM

96. **Liner Tray**

97. **Installation**

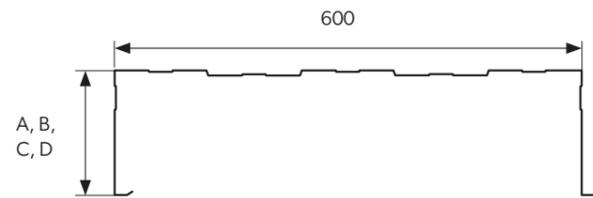
98. **PROSYSTHERM 90 min fire rated wall**

LINER TRAY

Industrial buildings are subject to high fire resistance requirements and materials used must have high insulation properties. This is what liner trays are designed for.

Used as an internal component of façade systems, the product is mainly characterised by its quick and easy installation. Any external cladding can be used as the external finish (trapezoidal and corrugated sheet metal, LINEA cladding panel, SKRIN cladding cassette).

Technical parameters [mm]	
A	100
B	130
C	160
D	200



We offer perforation of liner trays. Details (shape, size, hole pattern, etc.) are agreed individually with the sales department.
For more information, see page 124.

INSTALLATION

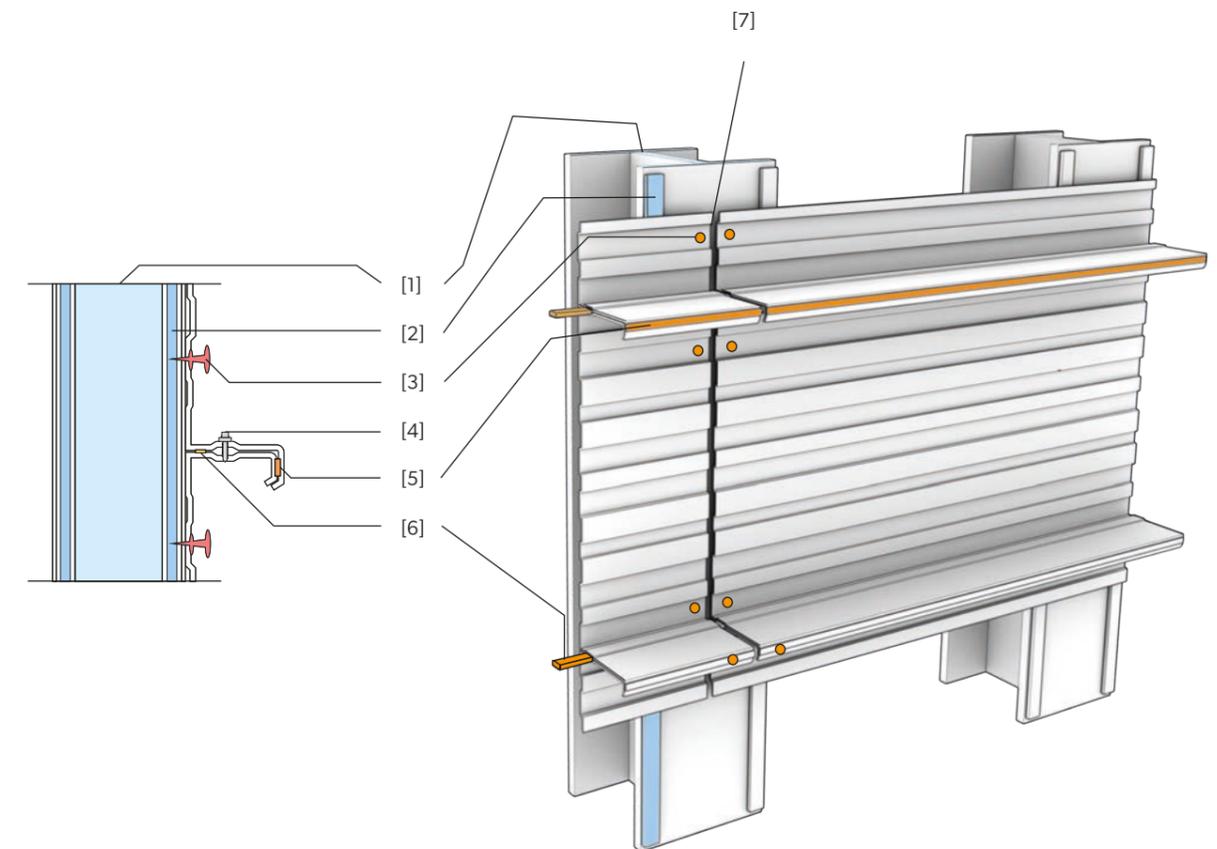
The liner trays are mounted to the structural columns [1].

The fastener is selected according to the material of the columns [3].

Sealing tape is to be applied along the columns [2], on the front of the tray [5] and between the trays [6].

A 4.8x20 mm fastener [4] is used to stitch the vertically connected trays together.

When joining the tiles horizontally [7], a gap of ~1 cm must be maintained to allow the structure to work freely.

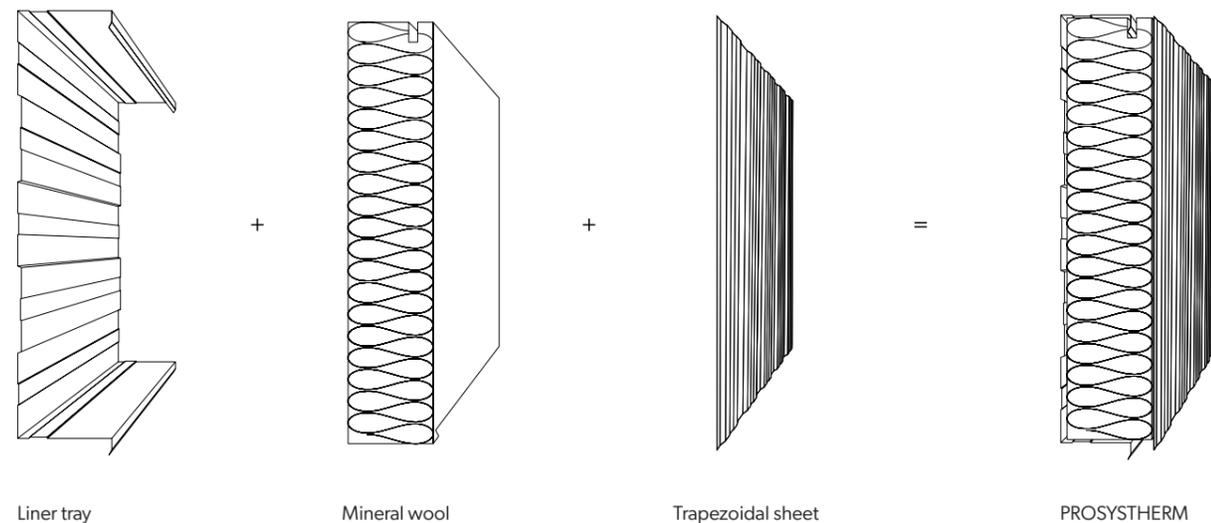


PROSYSTHERM 90. MIN FIRE RATED WALL

The PROSYSTHERM wall offered by BP2 is a warranty of high fire resistance for investment construction. At the same time, the product has high thermal and acoustic insulation. Its main applications are commercial, industrial, and public buildings.

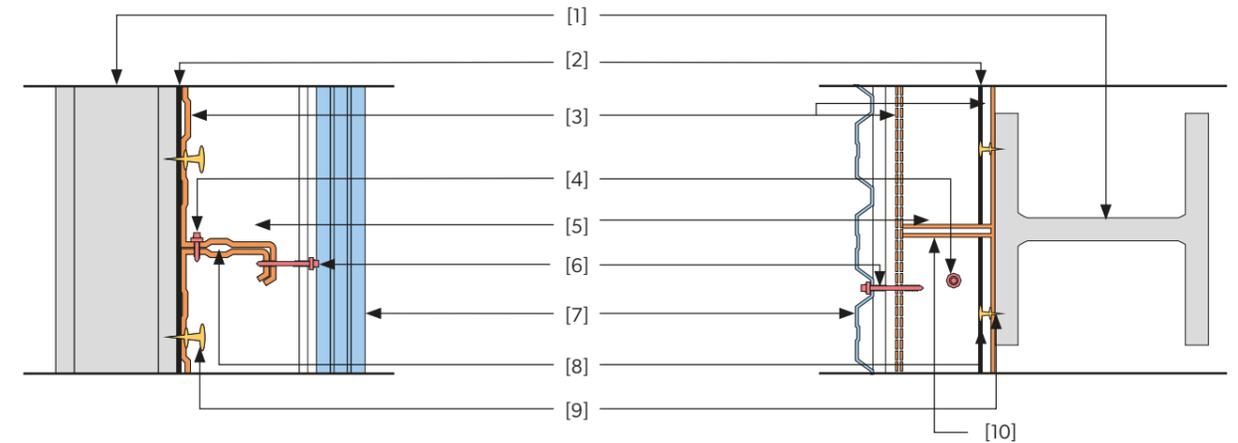
ROCKWOOL's high-class insulation material is dual-density mineral wool slabs. The system is completed by sealing and fastening products from SFS INTEC that make installation faster and easier.

A curtain wall in the PROSYSTHERM system is class EI90 (it does not spread fire either inside or outside the building and remains fire-proof for up to 90 minutes). PROSYSTHERM is a set of several components that are very easy to assemble. We offer the system components in numerous variants (dimensions, material, colours). Such a system structure makes it possible to adjust the appearance and parameters of the covering to individual needs much more freely than in the case of composite panels.



Sectional side view

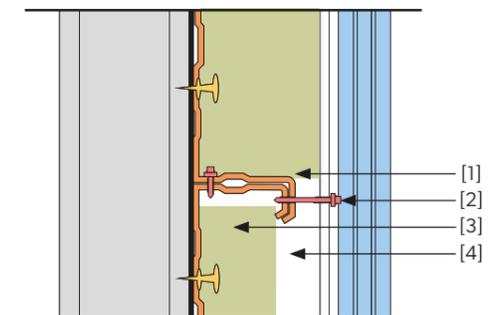
Joining trays longitudinally



- [1] Support columns.
- [2] Gasket.
- [3] Liner tray (4 width variations).
- [4] 4.8×20 mm fastener.
- [5] Dual density mineral wool.
- [6] 5.5×63 mm spacer fastener.
- [7] Trapezoidal sheet.
- [8] Gasket.
- [9] Powder-actuated fastener (min. 3 per tray side).
- [10] Joining trays longitudinally.

Traditional system - insulation with standard mineral wool:

The following diagram illustrates the most common problems with traditional mineral wool insulation methods. The innovative components of the PROSYSTHERM system, thanks to their unique properties, prevent all the problems indicated in the diagram.



- [1] The occurrence of a thermal bridge effect causing freezing.
- [2] Transmission of vibrations (low sound insulation).
- [3] Wool settlement.
- [4] Incomplete utilisation of space for insulation.



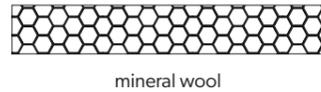
Composite panels

102. **Wall panels**

104. **Roof panels**

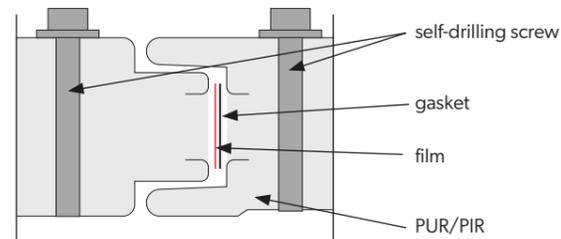
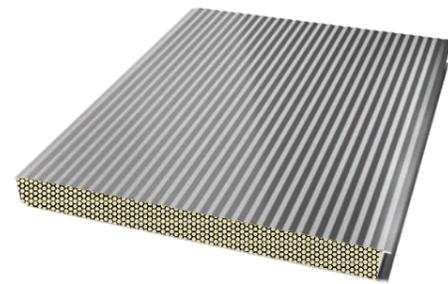
WALL AND ROOF COMPOSITE PANELS

Key



HPP PSD

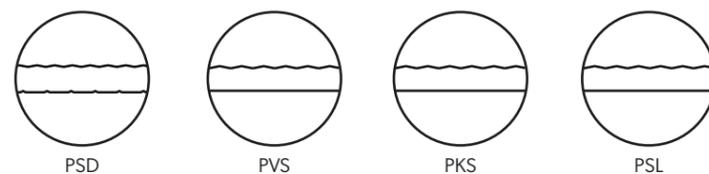
Composite wall panel with visible PUR/PIR fastening



Panel thickness PUR [mm]	25	40	50	60	80	100	120	150
Panel thickness PIR [mm]	-	-	50	60	80	100	120	150
Weight [kg] 1/m ²	9,31	9,88	10,26	10,64	11,40	12,16	12,92	14,12
Core	PUR/PIR							
Effective width	1000 mm							
Overall width	1018 mm							
Min. panel length	2,50 mb							
Max. panel length	13,50 mb							
Sheet thickness out./in.	0,4-0,7 / 0,4-0,7 mm							
U-value [W/m ² k]	0,78	0,5	0,41	0,34	0,26	0,21	0,17	0,14
Out./in. corrugation type CORE ^{PUR}	PSD - Wave/Grooved							
Out./in. corrugation type CORE ^{PIR}	PVS - Wave/Fiberglass PKS - Wave/Bitumenized felt PSL - Wave/Smooth*							
Coatings	RAL, HC, HPS200							
Accessories	fixing system, gaskets, flashings							

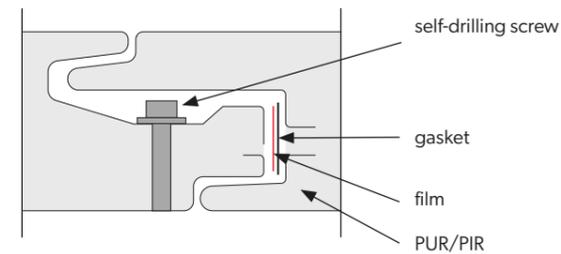
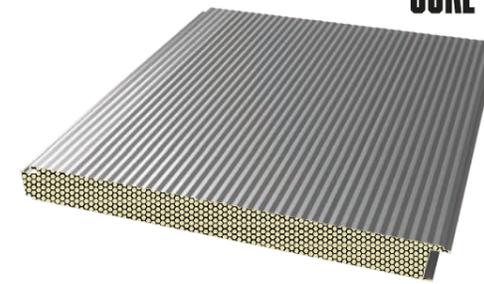
* In smooth corrugation, a slight undulation of the surface is possible - minimum lining thickness is 0.5 mm.

CORRUGATION TYPES:



HPP PSF

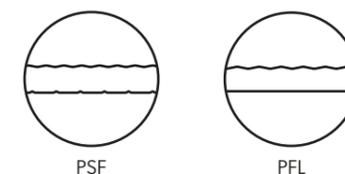
Wall panel with concealed PUR/PIR fastening



Panel thickness PUR [mm]	40	60	80	100	120
Panel thickness PIR [mm]	-	60	80	100	120
Weight [kg] 1/m ²	10,8	11,56	12,32	12,32	13,89
Core	PUR/PIR				
Effective width	1000 mm				
Overall width	1047 mm				
Min. panel length	2,50 m				
Max. panel length	13,50 m				
Sheet thickness out./in.	0,4-0,7 / 0,4-0,7 mm				
U-value [W/m ² k]	0,50	0,38	0,27	0,21	0,17
Out./in. corrugation type	PSF - Wave/Grooved PFL - Wave/Smooth*				
Coatings	RAL, HC, HPS200				
Accessories	fixing system, gaskets, flashings				

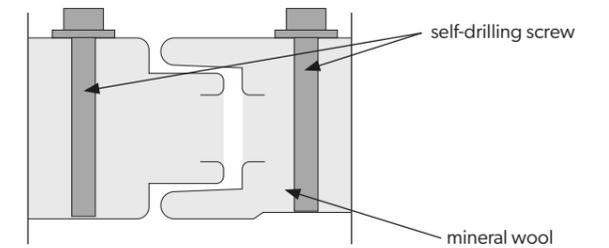
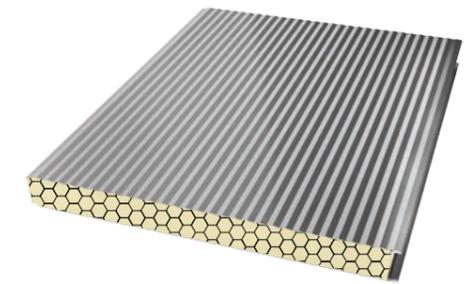
* In smooth corrugation, a slight undulation of the surface is possible - minimum lining thickness is 0.5 mm.

CORRUGATION TYPES:



HPP MDD

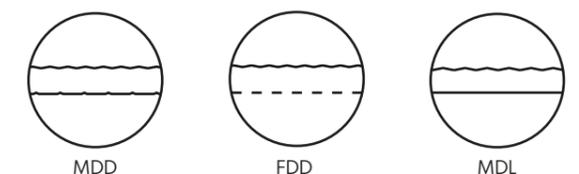
Mineral wool wall panel with visible fastening



Panel thickness [mm]	60	80	100	120	150
Weight [kg] 1/m ²	14,18	15,70	17,70	19,70	22,70
Core	mineral wool 100 kg/m ³				
Effective width	1000 mm				
Overall width	1018 mm				
Min. panel length	2,50 mb				
Max. panel length	13,50 mb				
Sheet thickness out./in.	0,5 -0,7 / 0,5-0,7 mm				
U-value [W/m ² k]	0,50	0,41	0,34	0,28	
Out./in. corrugation type	MDD - Wave/Grooved FDD - Wave/Grooved perforated MDL - Wave/Smooth*				
Coatings	RAL, HC, HPS200				
Accessories	fixing system, gaskets, flashings				

* In smooth corrugation, a slight undulation of the surface is possible - minimum lining thickness is 0.5 mm.

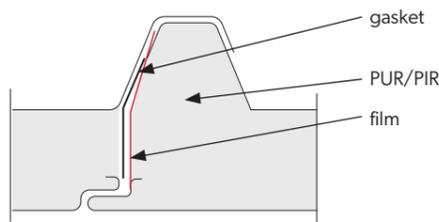
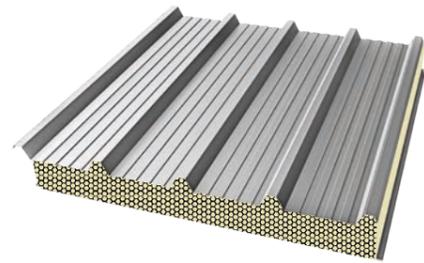
CORRUGATION TYPES:



It is possible to manufacture composite panels with non-standard parameters. Details should be agreed individually with the sales department.

HPT TD5

PUR/PIR roof composite panel



Panel thickness PUR [mm]	30	40	50	60	80	100	120
Panel thickness PIR [mm]	-	-	-	60	80	100	120
Weight [kg] 1/m ²	10,23	10,61	10,99	11,37	12,13	12,89	13,65
Core	PUR/PIR						
Effective width	1000 mm						
Overall width	1067 mm						
Min. panel length	2,50 mb						
Max. panel length	13,50 mb						
Sheet thickness out./in.	0,4-0,7 / 0,4-0,7 mm						
U-value [W/m ² k]	0,67	0,51	0,41	0,35	0,26	0,21	0,18
Out./in. corrugation type	TD5 – Trapezoidal T-40/Grooved HPP TL5 - Trapezoidal T-40/Smooth* TK5 VR Trapezoidal T-40 / Fiberglass						
Coatings	RAL, HC, HPS200						
Accessories	fixing system, gaskets, flashings, skylights						

* In smooth corrugation, a slight undulation of the surface is possible - minimum lining thickness is 0.5 mm.

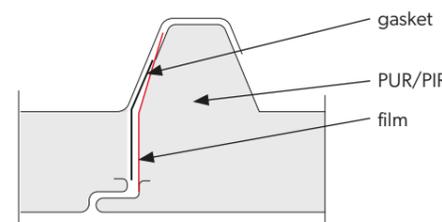
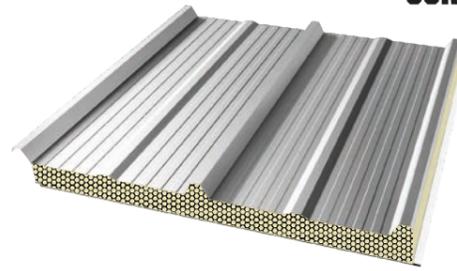
CORRUGATION TYPES:



TD5 TL5 TK5 VR

HPT TD3

PUR/PIR roof composite panel



Panel thickness PUR [mm]	40	50	60	80	100
Panel thickness PIR [mm]	-	50	60	80	100
Weight [kg] 1/m ²	10,21	10,59	10,97	11,73	12,49
Core	PUR/PIR				
Effective width	1000 mm				
Overall width	1067 mm				
Min. panel length	2,50 mb				
Max. panel length	13,5 mb				
Sheet thickness out./in.	0,4 - 0,7 / 0,4 - 0,7 mm				
U-value [W/m ² k]	0,51	41	0,34	0,26	0,21
Out./in. corrugation type	TD3 – Trapezoidal T-40/Grooved TL3 – Trapezoidal T-40/Smooth* TK3 VR Trapezoidal T-40 / Fiberglass				
Coatings	RAL, HC , HPS200, inox, aluminium				
Accessories	fixing system, gaskets, flashings, skylights				

* In smooth corrugation, a slight undulation of the surface is possible - minimum lining thickness is 0.5 mm.

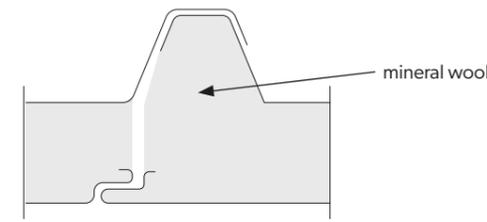
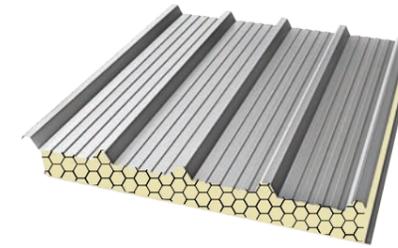
CORRUGATION TYPES:



TD3 TL3 TK3 VR

HPT MTD

Roof composite panels with mineral wool



Panel thickness [mm]	60	80	100	120	150
Weight [kg] 1/m ²	16,85	18,85	20,85	22,85	25,85
Core	mineral wool				
Effective width	1000 mm				
Overall width	1067 mm				
Min. panel length	2,50 mb				
Max. panel length	13,50 mb				
Sheet thickness out./in.	0,5-0,7 / 0,5-0,7 mm				
U-value [W/m ² k]	0,52	0,42	0,35	0,29	
Out./in. corrugation type	MTD – Trapez T-40/Grooved FTD – Trapez T-40/Grooved perforated MTL - Trapez T-40 / Smooth*				
Coatings	RAL, HC, HPS200				
Accessories	fixing system, gaskets, flashings, skylights				

* In smooth corrugation, a slight undulation of the surface is possible - minimum lining thickness is 0.5 mm.

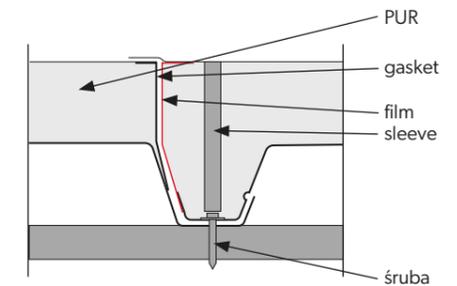
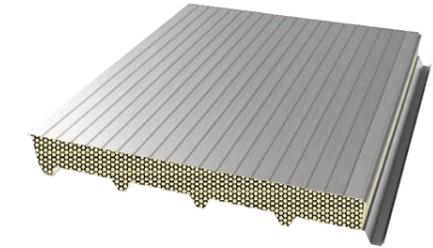
CORRUGATION TYPES:



MTD FTD MTL

HPT TK5 CB

Inverted PUR composite roof panel



Panel thickness [mm]	30	40	50	60	80	100
Weight [kg] 1/m ²	8,08	8,42	8,80	9,18	9,94	10,70
Core	PUR					
Effective width	1000 mm					
Overall width	1060 mm					
Min. panel length	2,50 mb					
Max. panel length	13,50 mb					
Sheet thickness out./in.	0,4-0,7 mm					
U-value [W/m ² k]	0,50	0,43	0,35	0,3	0,23	0,19
Out./in. corrugation type	TK5 CB – Bitumenized felt/Trapez T-40					
Coatings	RAL, HC, HPS200					
Accessories	fixing system, gaskets, flashings, skylight					

CORRUGATION TYPES:



TK5CB

SKRIN cladding cassettes and LINEA panels

108. **SKRIN cladding cassettes**

109. **Technical specifications**

118. **LINEA cladding panels**

119. **Colours and perforations**



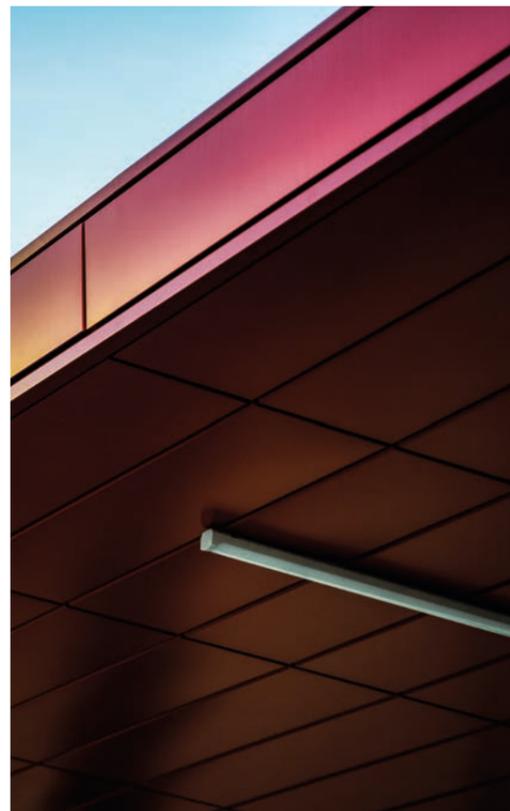
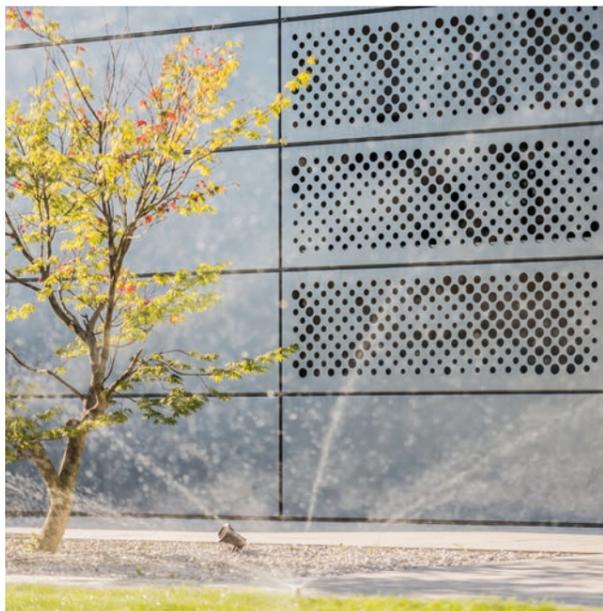
NEW

SKRIN CLADDING CASSETTES

Facade panels are products which are widely used in the construction industry due to their versatility. They work well as a facade cladding for both new and renovated buildings. Not only can they be used to clad the smallest buildings, such as garages and sheds or single-family houses but also large facades of office, commercial, public and multi-family buildings.

BP2's offer includes a wide range of products enabling the implementation of investment projects. Our panels can be mounted both horizontally and vertically. According to the customer's expectations, various coatings are used to protect the panels taking into account the corrosion class of steel. Any colour indicated by the customer is not a problem for us. We have developed system solutions, such as corners, trapezoidal elements, etc., which are required by architects in the building design. We can make custom elements tailored to the customer's needs.

We offer assistance in each investment process: from the design stage to implementation, acceptance of the building and during its operation.

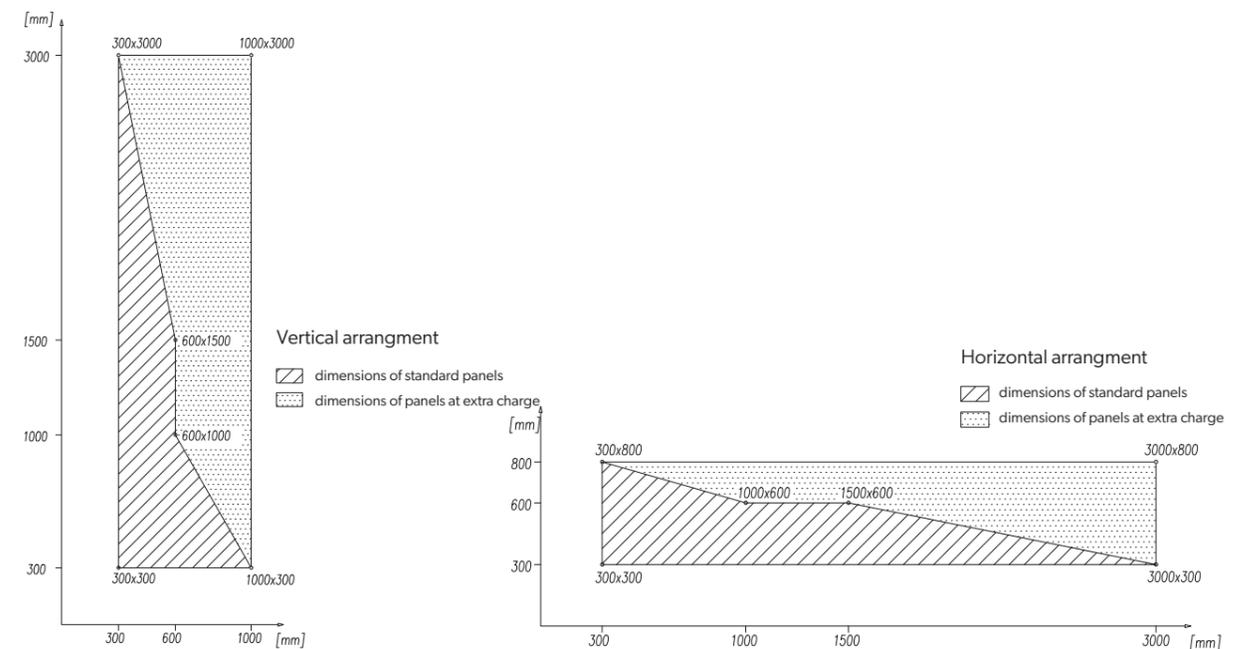


We offer perforation of SKRIN cladding cassettes. Details (shape, size, hole pattern, etc.) are agreed individually with the sales department. **For more information, see page 124.**

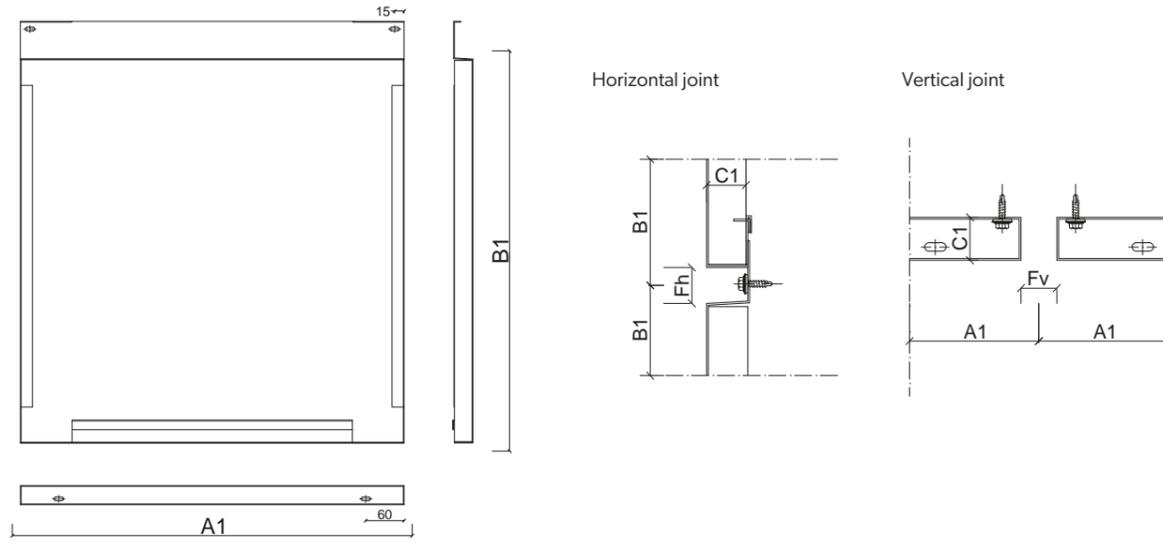
TECHNICAL INFORMATION

Technical parameters	
Width A1 min/max - horizontal installation	300/3000 mm
Height B1 min/max - horizontal installation	300/800 mm
Width A1 min/max - vertical installation	300/3000 mm
Height B1 min/max - vertical installation	300/1000 mm
Thickness C1	30 mm
Joint width - FH horizontal/FV vertical	25/25 mm
Mounting holes	oval 6x15 mm, round Ø 9 mm
Ventilation holes	oval 6x15 mm
Sheet thickness	1,25 mm
Coatings and colours	acc. to individual requirements
Fastener	visible/concealed
Installation method	horizontal/vertical

SKRIN maximum and minimal dimensions

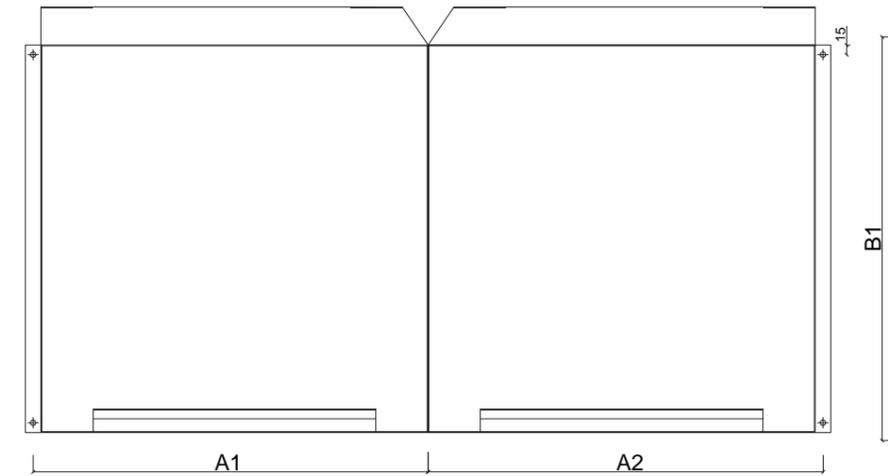


Basic panel for horizontal installation

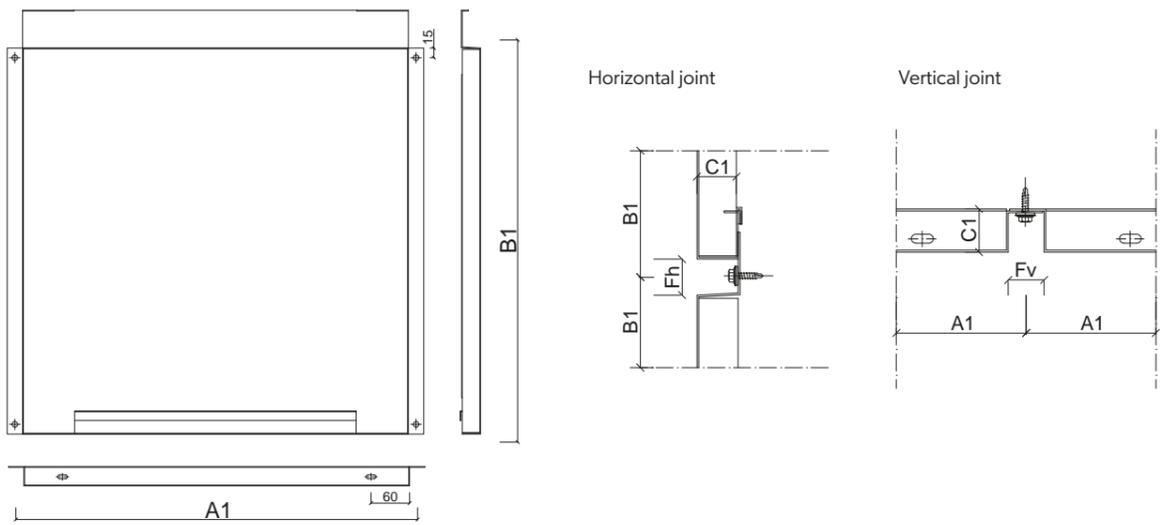


L-shaped corner panel for horizontal installation.

$A1_{max} + A2_{max} = 3000$ mm, $A1_{min} = 300$ mm, $A2_{min} = 300$ mm
 $B1_{min} = 300$ mm, $B1_{max} = 800$ mm

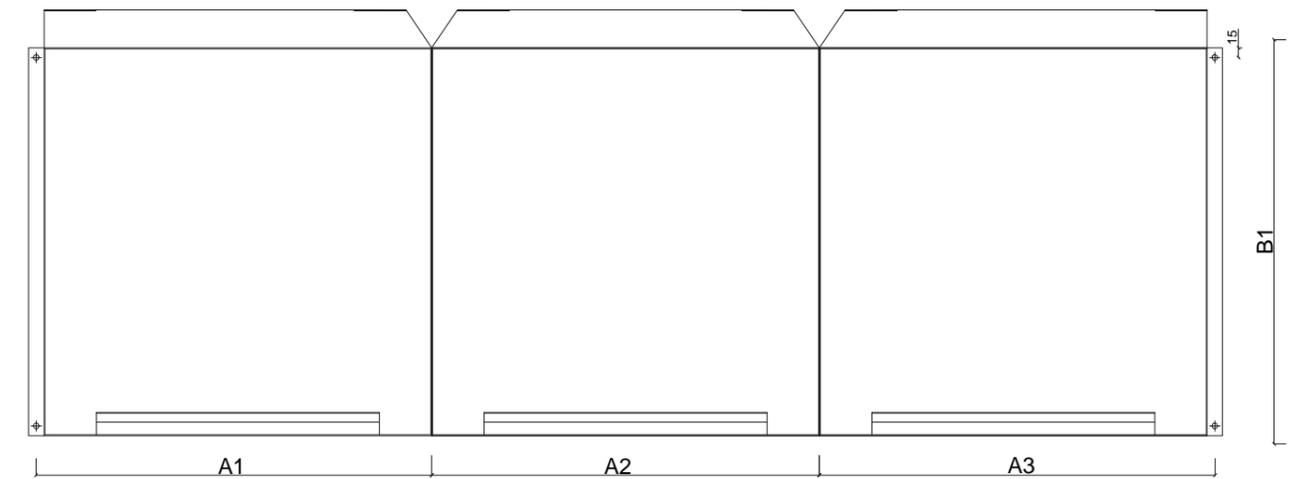


Basic panel for vertical installation



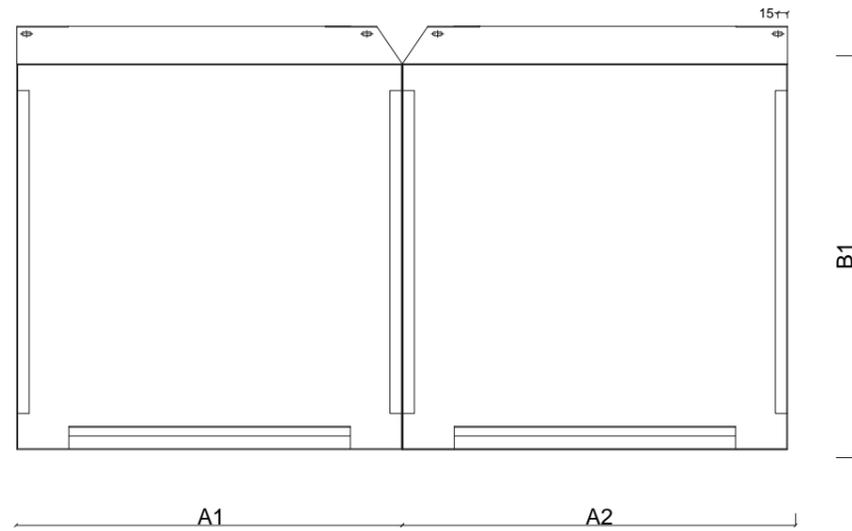
U-shaped corner panel for horizontal installation.

$A1_{max} + A2_{max} + A3_{max} = 3000$ mm, $A1_{min} = 300$ mm, $A2_{min} = 300$ mm
 $B1_{min} = 300$ mm, $B1_{max} = 800$ mm, $B1_{min} = 300$ mm, $B1_{max} = 800$ mm



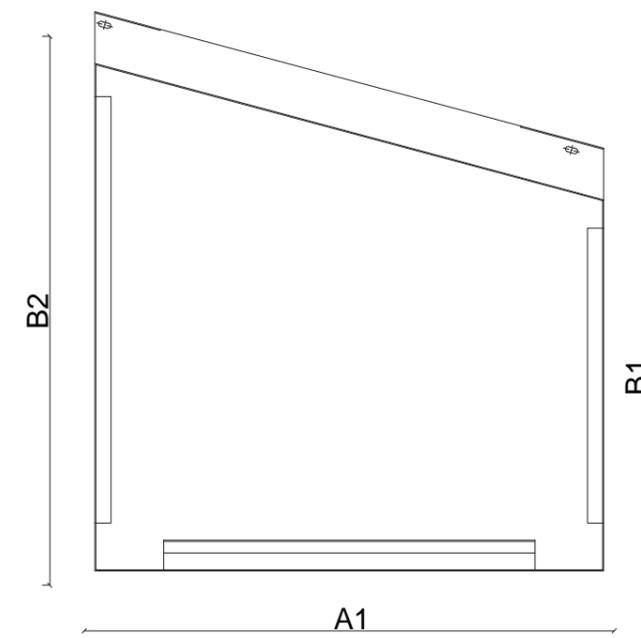
L-shaped corner panel for vertical installation.

$A1_{max} + A2_{max} = 1000$ mm, $A1_{min} = 300$ mm, $A2_{min} = 300$ mm
 $B1_{min} = 300$ mm, $B1_{max} = 3000$ mm



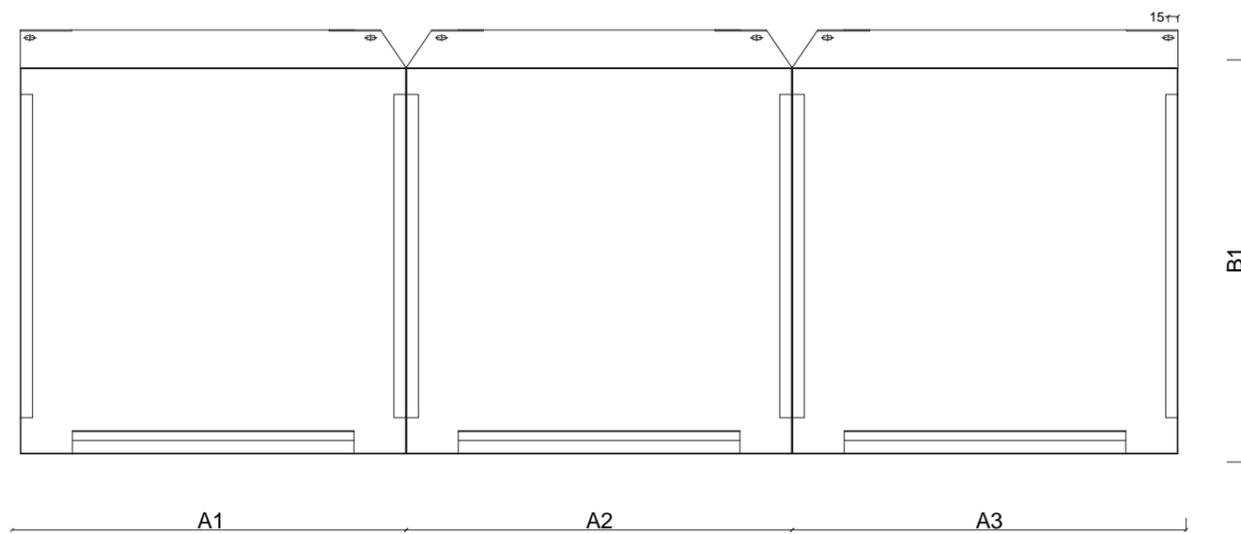
Trapezoidal panel for horizontal installation.

$A1_{max} = 3000$ mm, $A1_{min} = 300$ mm,
 $B1_{min}, B2_{min} = 300$ mm, $B1_{max}, B2_{max} = 800$ mm



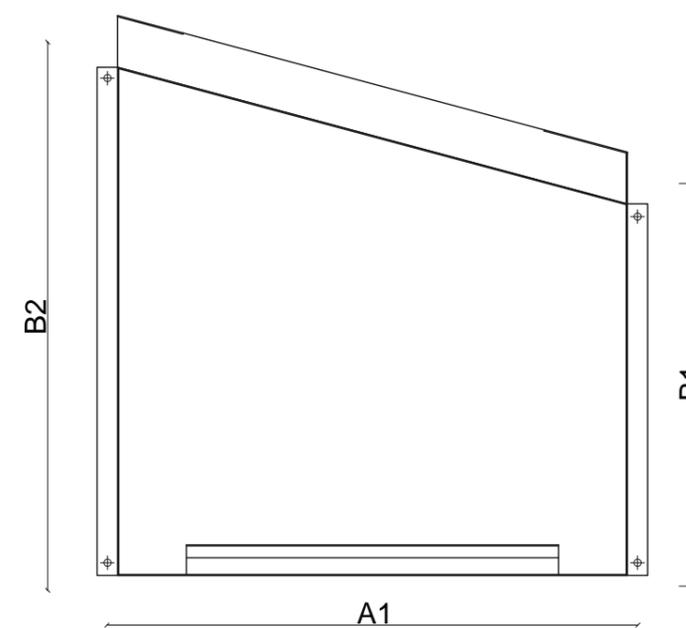
U-shaped corner panel for vertical installation.

$A1_{max} + A2_{max} + A3_{max} = 1000$ mm, $A1_{min} = 300$ mm, $A2_{min} = 300$ mm, $A3_{min} = 300$ mm,
 $B1_{min} = 300$ mm, $B1_{max} = 3000$ mm



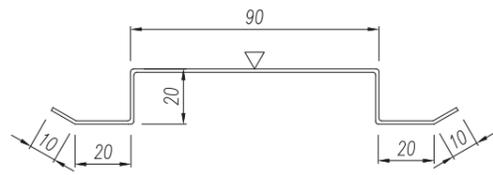
Trapezoidal panel for vertical installation.

$A1_{min} = 300$ mm, $A1_{max} = 1000$ mm, $B1_{min}, B2_{min} = 300$ mm,
 $B1_{max}, B2_{max} = 3000$ mm



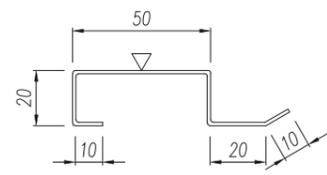
P03

Basic profile 20/90



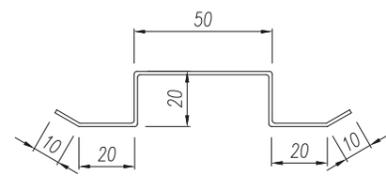
P02

Final profile 20/50



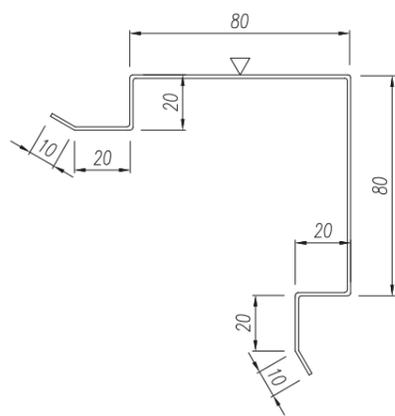
P01

Intermediate profile 20/50



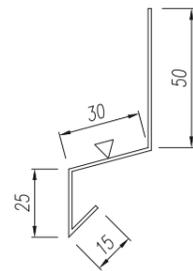
P04

Corner profile 20/160



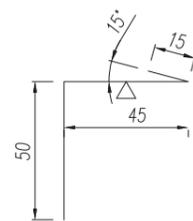
O01

Starting profile



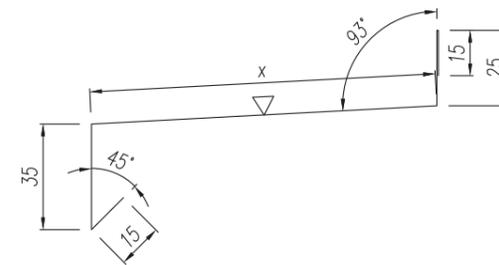
O08

Treatment of the connection to another façade element



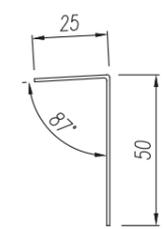
O05

Horizontal bottom window flashing



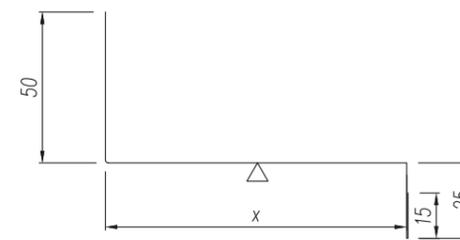
O06

Horizontal bottom window flashing bracket



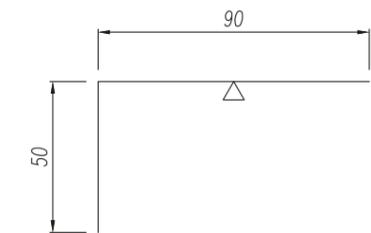
O07

Vertical window flashing



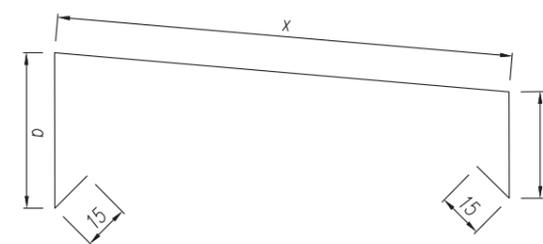
O03

Internal corner flashing



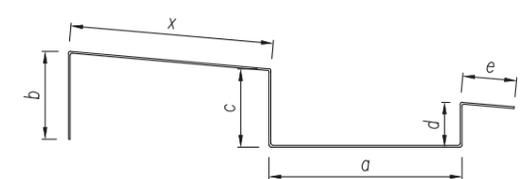
O02

Parapet cap



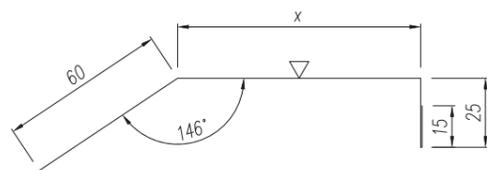
P07

Parapet cap bracket



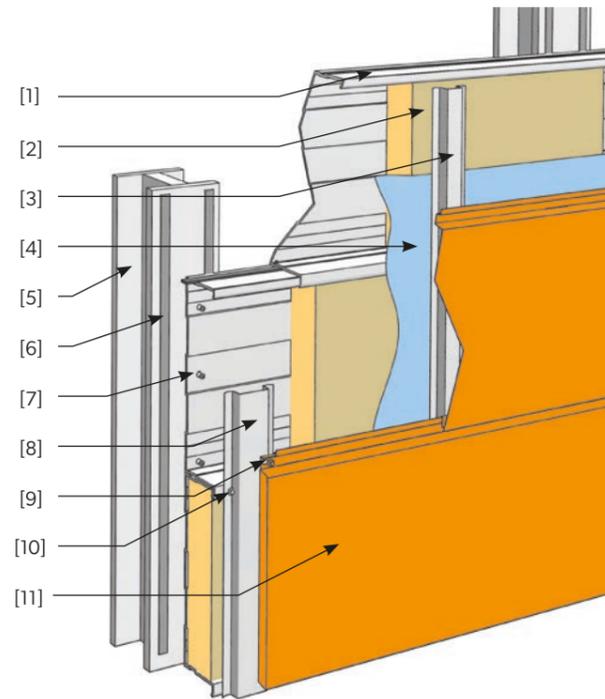
O04

Horizontal top window flashing



The use of SKRIN cladding cassettes allows for an aesthetic and durable finish of the façade. They can be used on the whole building or on selected representative parts, such as front elevations or office areas of buildings. Distinguishing the form and finishing materials of individual parts of the building's façade is a common solution in modern construction.

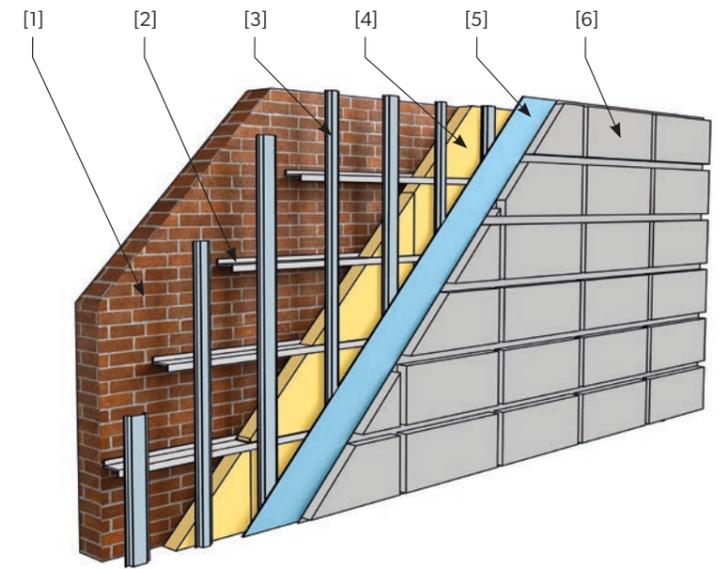
In such projects, cladding cassettes are an ideal choice due to their wide range of colours and flexible dimensions. In order to maintain the high aesthetics and functionality of the façade, we supply system corners and individually manufactured flashings.



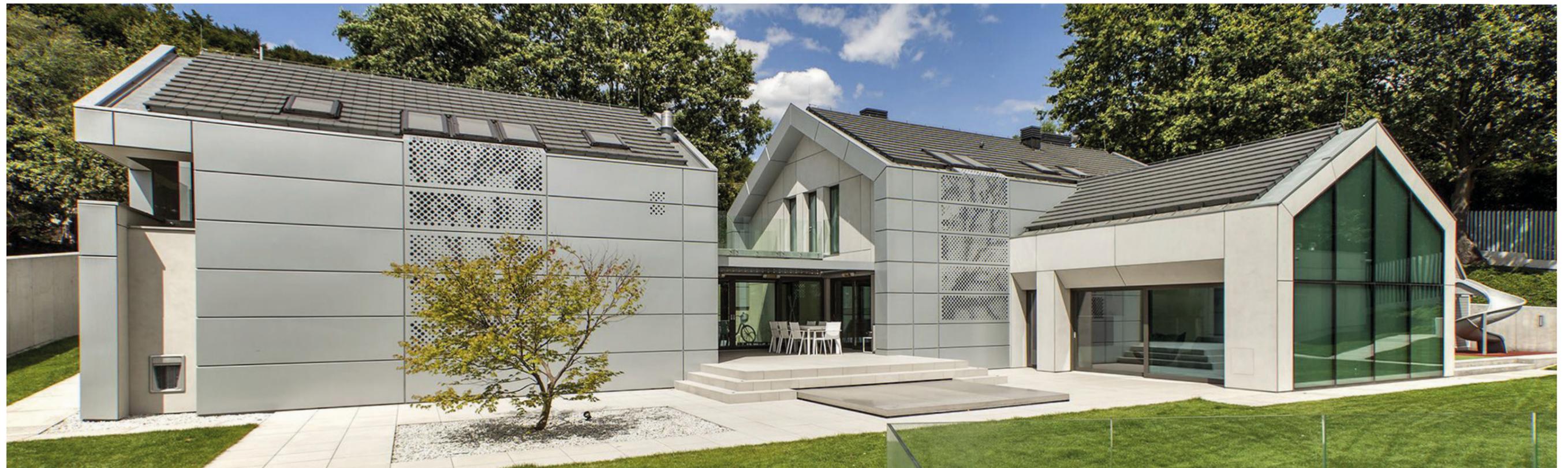
- [1] steel liner tray.
- [2] mineral wool - thermal insulation.
- [3] 20/50 P01 intermediate profile.
- [4] breather membrane.
- [5] support column.
- [6] sealing.
- [7] fastener (dowel or screw).
- [8] 20/90 P03 basic profile.
- [9] self-drilling fastener.
- [10] self-drilling fastener.
- [11] SKRIN cladding cassette.

An advantage of curtain walls built using SKRIN cladding cassettes is the fast and uncomplicated assembly. They can be used on any wall as they are hung on a substructure consisting of a steel grate made of P03 20/90 basic profiles.

SKRIN cassettes are mounted on them through bead holes to enable stress compensation. As the P03 20/90 basic profiles form the basis for joining the cassettes vertically, they are made of the same colour as the cassettes, giving a uniform surface effect. For additional stiffening, intermediate profiles P01 20/50 are used. The cassettes are joined horizontally by means of a locking joint principle with appropriately profiled upper and lower cassette edges.



- [1] masonry wall.
- [2] Z-profile steel girt.
- [3] vertical mounting grid from profiles.
- [4] mineral wool - thermal insulation.
- [5] breather membrane.
- [6] SKRIN cladding cassette.

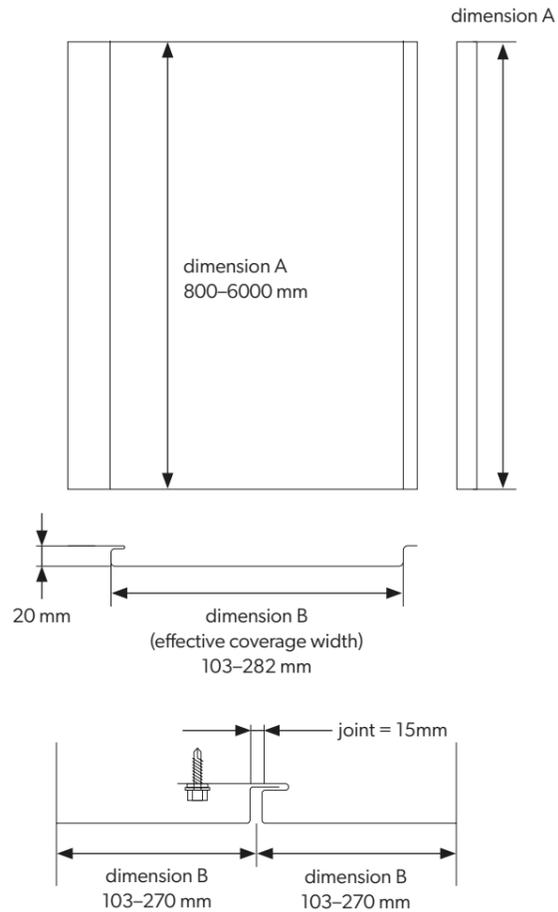




LINEA CLADDING PANELS

LINEA cladding panels are ideal for combining with other types of cladding within the façade, such as cladding cassettes or LAMBDA 2.0 standing seam panels, which ensures an attractive visual effect.

Combined with a wide choice of colours and coating textures, this enables original façade designs to be executed. In order to compensate for stresses arising due to thermal expansion of the material, the deflection of the front surface (convexity) must be taken into account when installing the panels.



The main advantages of LINEA cladding panels are easy and quick installation and flexibility in adjusting the covering to the shape of the façade.



We offer perforation of LINEA cladding panels. Details (shape, size, hole pattern, etc.) are agreed individually with the sales department.
For more information, see page 124.



It is possible to manufacture non-standard LINEA panels. Details are agreed individually with the sales department.

Ranges of standard cladding panel dimensions [mm]					Zakresy standardowych wymiarów paneli elewacyjnych [mm]				
Panels without joint					Panels with joint 15 mm				
Product code	Effective width	Panel face	Range of sheet thickness	Covering length	Product code	Effective width	Panel face	Range of sheet thickness	Covering length
PS 282.417	282	282	0,7-1,0	800-6000	PSF 270.417.15	270	255	0,7-1,0	800-6000
PS 177.312	177	177			PSF 165.312.15	165	150		
PS 115.250	115	115			PSF 103.250.15	103	88		

COLOURS



Printing technology does not allow for faithful colour rendition, so the colours shown are approximate and may differ from actual colours.



In addition, custom colours and coatings are available upon individual request, outside of the palette shown.

Steel Service Centre

122. **Steel Service Centre**

123. **Flat sheets**

124. **Cutting and recoiling services**

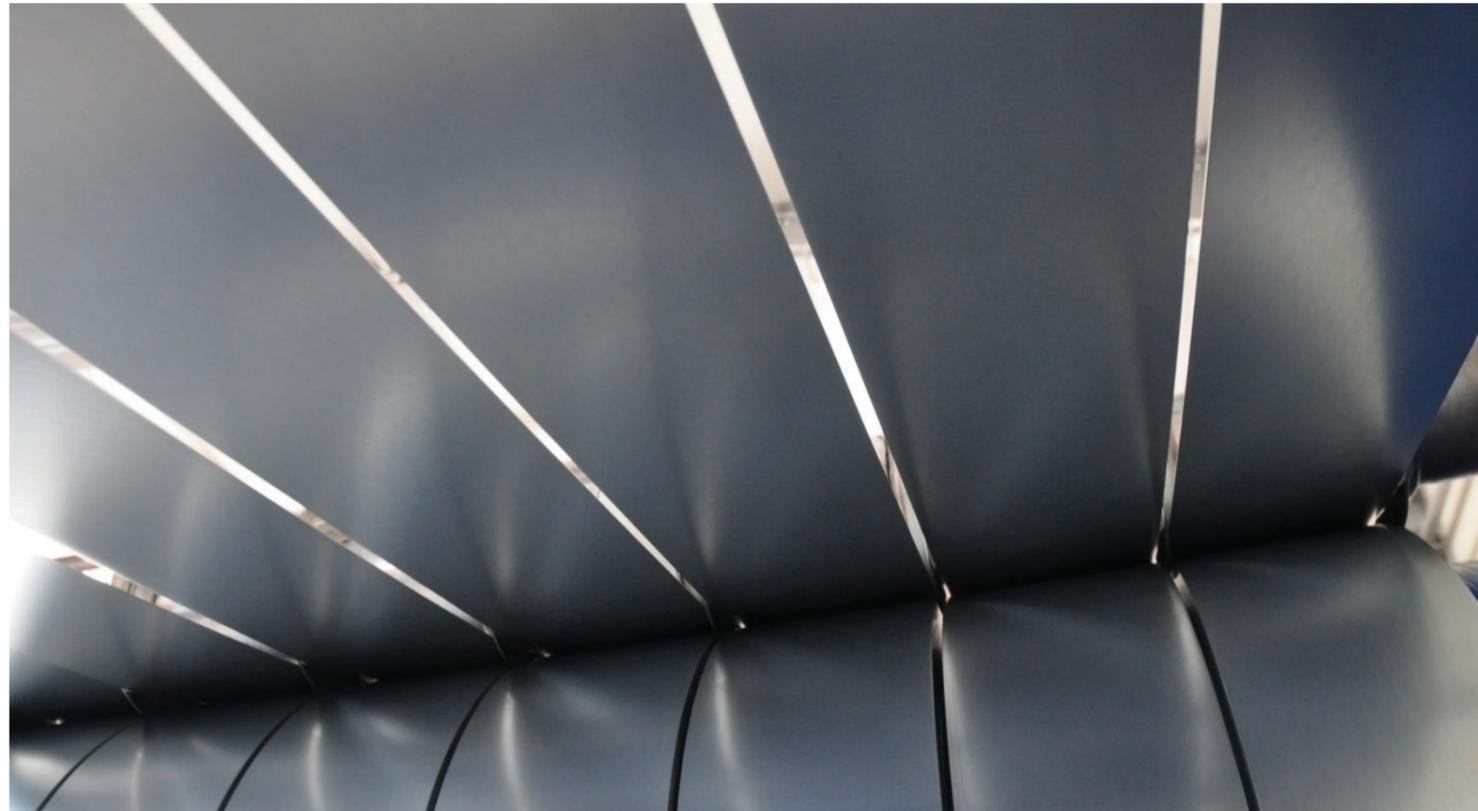
125. **Protection and packaging**

126. **Perforation of sheets**

STEEL SERVICE CENTRE

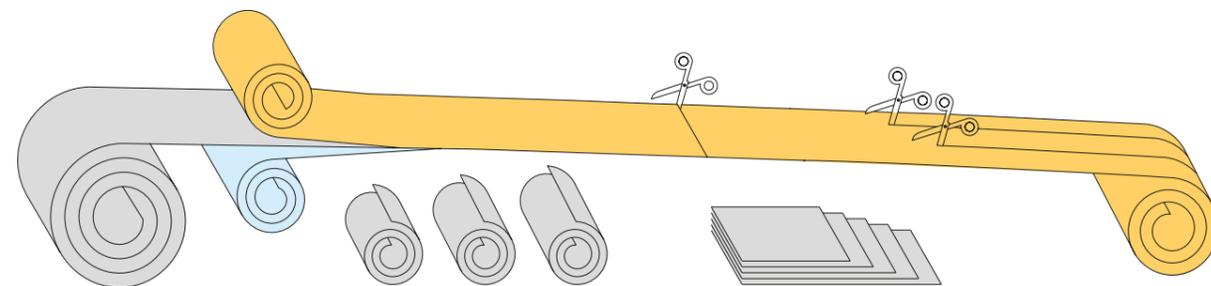
The Steel Service Centre (SSC) has been created for customers looking for a material with specific properties and processing levels. We ensure constant availability of a wide range of steel grades and coatings and the possibility of processing individual orders with any parameters. Processing includes recoiling, slitting and cross-cutting, as well as securing with protective film according to individual requirements.

We can also accept orders using material from customers, and the high quality of our production processes allows for its optimal use.



FLAT SHEETS

We supply low and highly processed steel material used in the manufacture of a wide range of products. We have a line for cutting and slitting flat sheets as well as recoiling.



Galvanised sheets [mm]

Sheet thickness	Strip width
0,40	1000
0,45	1250
0,50	1000, 1250, 1500
0,60	1000, 1250, 1500
0,70	1000, 1250, 1500
0,80	1000, 1250, 1500
0,90	1250, 1500
1,00	1000, 1250, 1500
1,25	1000, 1250, 1500
1,50	1000, 1250, 1500
2,00	1000, 1250, 1500

Aluzinc sheets [mm]

Sheet thickness	Strip width
0,50	1250
0,60	1250
0,70	1250
1,00	1250

Coated sheets [mm]

Sheet thickness	Strip width
0,50	1250
0,70	1250
1,00	1250
1,25	1250
1,50	1250



We offer perforation of flat sheets. Details (shape, size, hole pattern, etc.) are agreed individually with the sales department.
For more information, see page 124.



Other sheet and format dimensions and sheet thicknesses are available upon request.

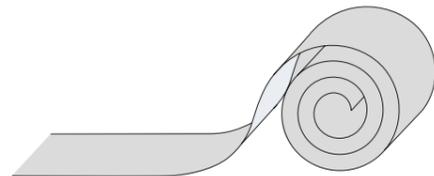
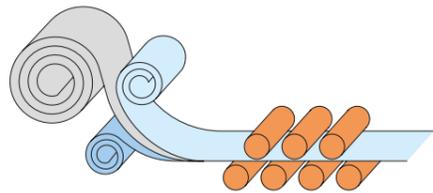
CUTTING AND RECOILING SERVICES

Before cutting, the sheet can be covered with a protective film or an anti-condensation coating.

Base parameters	
Maximum coil weight	10 T
Maximum strip width	1500 mm
Sheet thickness	0,4–2,0 mm

Recoiling without cutting.

Technical parameters*	
Maximum coil weight	10 T
Maximum strip width	1500 mm
Sheet thickness	0,4–2,0 mm

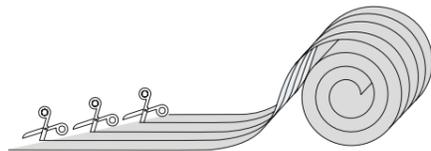
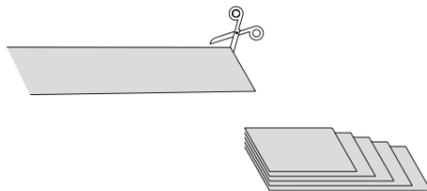


Cross-cutting into sheets and formats according to individual requirements.

Technical parameters*	
Sheet thickness	0,4–2,0 mm
Minimum format size	70×100 mm
Maximum module length	6000 mm

Slitting to strip according to individual requirements.

Technical parameters*	
Sheet thickness	0,4–2,0 mm
Minimum strip width	70 mm



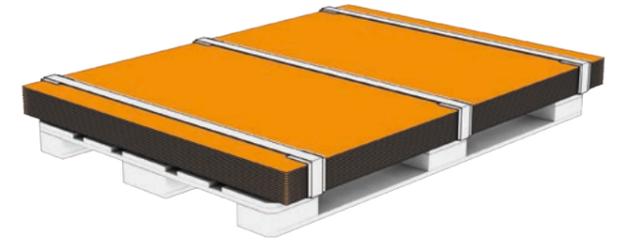
* The data shown are for the feedstock offered by BP2. Consultation with the sales department is required to determine the parameters for the material to be supplied. When recoiling and slitting without interfering in the width of the charge, metallurgical tolerances according to standards apply:

- dimensional and shape tolerances: EN 10143,
- metallic coatings and surface quality: EN 10326, EN 10327,
- organic coatings and surface quality: EN 10169.

PROTECTION AND PACKAGING

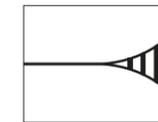
The processed material is professionally protected and stored. The lengthwise cut coils are stored vertically on a rack and strapped with steel bands or protected with stretch film.

In the case of formats, sorting and packaging is customised according to the order received.



Protection - types of film

In order to protect the sheet metal on request, it is coated with a protective film. As a standard, we use a film of an individually selected composition as a result of tests for the respective sheet metal coating: the type and thickness of the adhesive layer and the film were determined in such a way as to ensure adequate adhesion and not to damage the coating during removal. We offer films with various parameters which can be individually selected, taking into account:



Adhesives

- acrylic, water - ecological, water washable,
- acrylic, solvent - not soluble in water, used for matt coatings
- rubber, solvent - not soluble in water, used for polyester coatings.



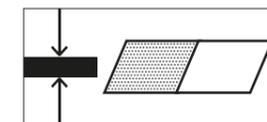
Light transmission

- opaque and transparent films.



UV resistance

- from 1 to 12 months.

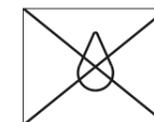


Film thickness

- 35–100µm.

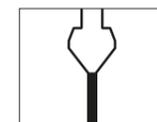
Foil type

- MAT/GLOSS.



Condensation of water vapour

- anti-condensation coating.



Application

- universal films, dedicated to the type of coating and special applications, such as laser cutting (Fiber).

PERFORATION OF SHEETS

Perforated sheets are widely used to achieve the desired stylistic effect in external and internal architecture. Sheet perforation is ideal for ventilated curtain walling systems or used to illuminate the façade from the inside. Perforated sheets are used for furniture elements or household appliances. Perforation also provides soundproofing and sound absorption for production and industrial facilities.

We offer perforation of metal and organic coated sheets from our regular offer* Perforated sheets can be re-profiled by us to make sheet metal coverings and structural elements, such as trapezoidal and corrugated sheets, wall cassettes, SKRIN cladding cassettes, LINEA cladding panels.

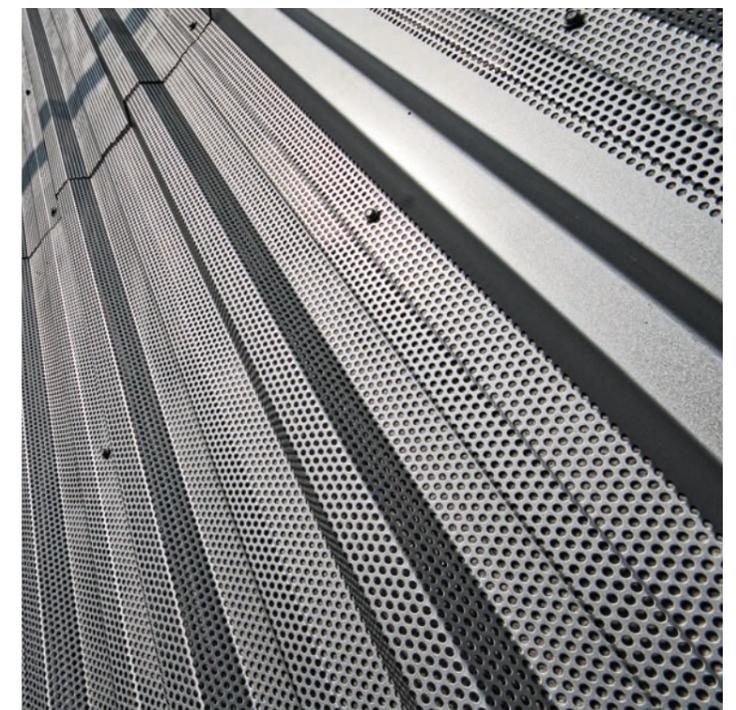
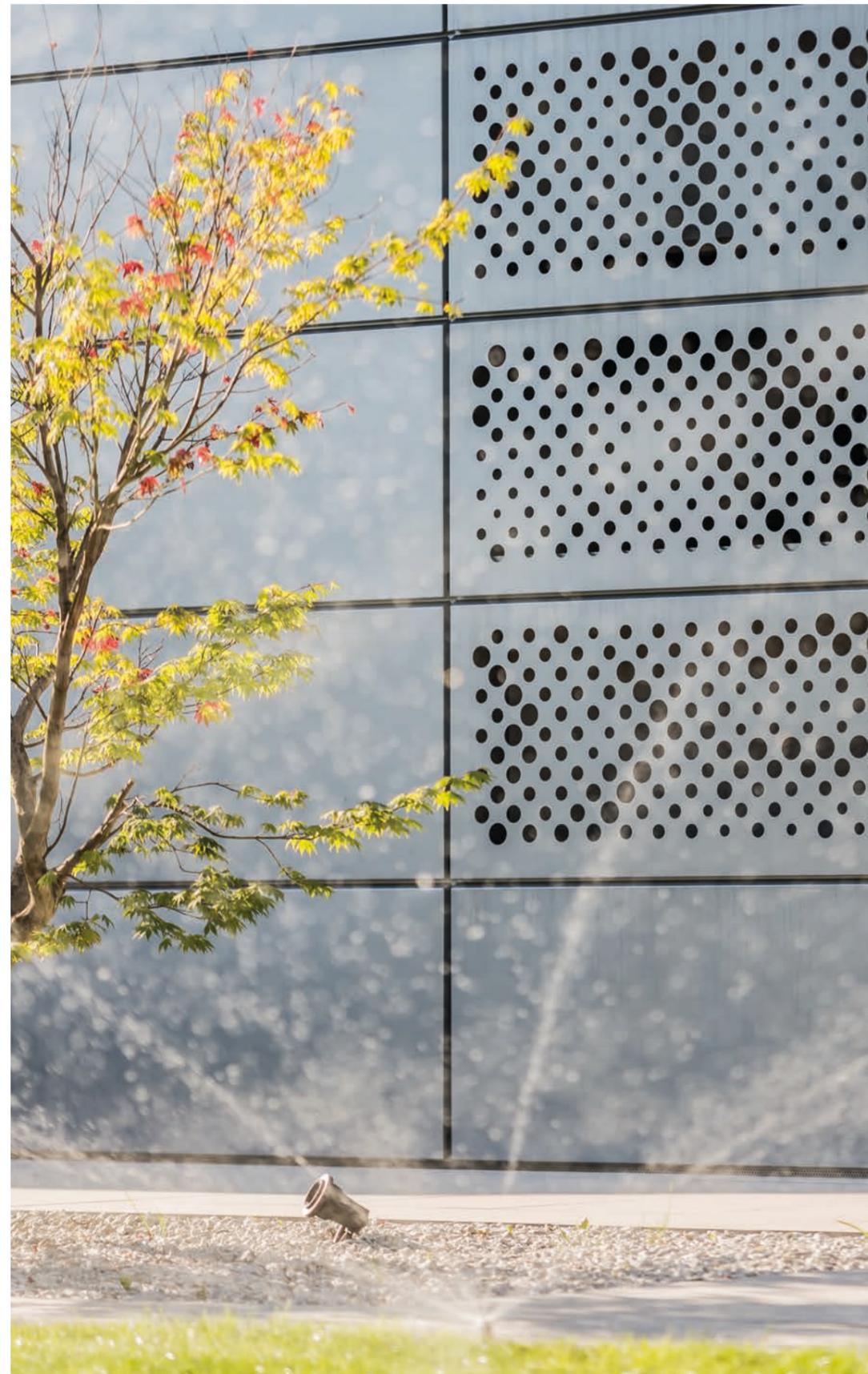
We make perforations in a wide range of sizes and shapes:

-  — round,
-  — oblong (so called beans),
-  — rectangular,
-  — hexagonal,
-  — stars,
-  — irregular.

Technical parameters

Maximum strip width	1500 mm
Sheet thickness	0,4–2,0 mm

 *Additionally, we offer perforation of entrusted material. Details are agreed individually with the sales department.



Technical Information and Contact

130. **ALUZINC and ZINC coatings**

131. **Coated sheets**

132. **Coating descriptions**

134. **Coating properties**

135. **Coating availability**

136. **Anti-condensation coating**

138. **Colours**

140. **Contact Us**

ALUZINC AND ZINC COATINGS

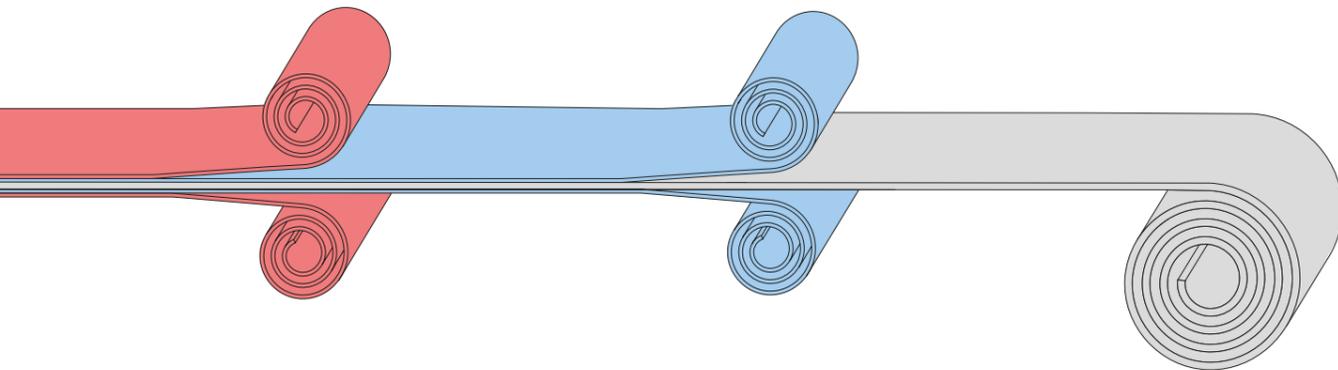
ZINC [ZN]

The sheets are hot dip galvanised on both sides in a continuous process which protects the steel core against corrosion. They feature a smooth and uniform surface that meets the highest aesthetic requirements.

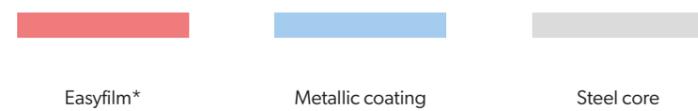
ALUZINC [AZ]

It is a steel sheet coated on both sides with an aluminium-zinc alloy in a process similar to hot-dip galvanising. It thus meets the most stringent requirements for sheet metal resistance to atmospheric corrosion and corrosion in humid environments. It additionally has a protective Easyfilm polymer coating which also protects the edges of the steel coils and enhances the aesthetics of the surface. The warranty period for this type of sheet metal is 25 years.

Sheet section



Key



COATED SHEETS

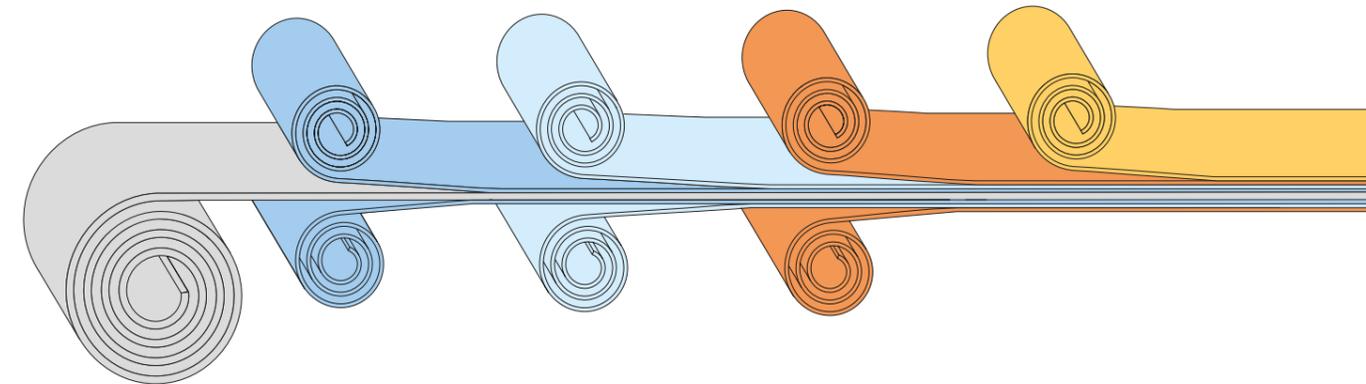
COATED SHEETS [HC, UTK, ICep, INT, RAL]

Coated sheets are manufactured from hot-dip galvanised charge or coated with a dedicated alloy (zinc, magnesium zinc, aluminium zinc). This material, cleaned during pretreatment, undergoes passivation processes and is then multi-coated with one of the many available coatings. This provides excellent protection of the metallic layers and the steel core against atmospheric agents. Coatings can vary in thickness, colour, and surface texture. Their warranty period is 55 years.

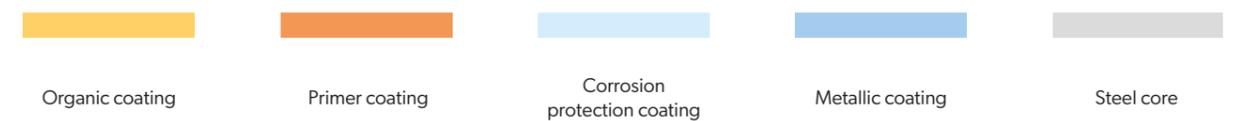


Detailed warranty conditions are specified in the warranty card. For MODULAR SERIES modular roof tiles and COMPACT SERIES compact roof tiles the warranty becomes valid after registration on the website www.warranty.bp2.eu.

Coated sheet cross-section



Key



* only Aluzinc.

COATING DESCRIPTIONS

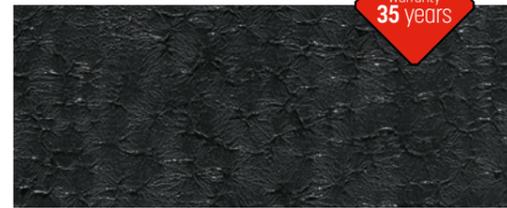
HERCULIT [HC]



It is a coating developed in close cooperation with a leading manufacturer of varnishes for the best steel mills in Europe. Many years of studying existing coatings and monitoring customer needs, with particular emphasis on the needs of roofers, have allowed us to condense so many different advantages into one product. HERCULIT is a polyurethane-cured polyester with a high resistance to mechanical damage and a thickness of 35 µm.

HERCULIT offers a 40-year warranty and reproducibility of colours and coating structures. Warranty period for IZI and ZET - 55 years.

ICE COVER ZM [ICep]



Thick (35 µm) organic coating with an interesting crystalline texture, resembling thickly applied paint. The core is zinc-magnesium alloy coated steel that provides enhanced protection against corrosion. The result is a significant increase in resistance to white and red corrosion in RC3 environments.

Warranty period: 35 years.



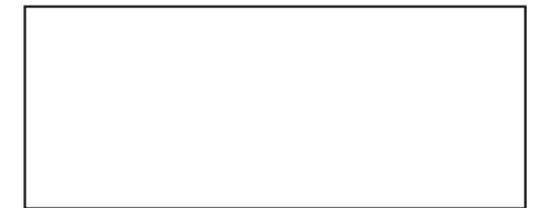
Detailed warranty conditions are specified in the warranty card. For MODULAR SERIES modular roof tiles and COMPACT SERIES compact roof tiles the warranty becomes valid after registration on the website www.warranty.bp2.eu.

SP35 Multilayer [SP35/MULTI]



40 µm thick polyester paint with Z275 zinc layer or ZM120 zinc-magnesium layer. It is characterised by its wood structure and adequate protection against corrosion and UV radiation. This combination allows outdoor use, especially where high weather resistance and high aesthetics are required.

POLIESTER Interior [INT]



Sheet metal coated with a 15 µm polyester layer with a smooth and glossy surface. Due to the low thickness of the organic coating, it is mainly intended for interior applications and building elements not directly exposed to weathering.

ULTIMAT [UTK]



A 35 µm thick coating with very high corrosion and UV resistance (RC4/RUV4). The ULTIMAT coating with its grained structure, inspired by nature, is free of chromium and heavy metals and is a green, recyclable product. Sheet metal coated with the ULTIMAT elastic coating can be profiled at extremely low temperatures.

Warranty period: 20 years.
Warranty period MODULAR SERIES: 30 years.
Warranty period extended to 30 years for COMPACT SERIES kits in ULTIMAT [UTK] coating purchased together with the INGURI rainwater system in colours with guaranteed repeatability of colour and structure.

POLIESTER Standard [RAL]



Basic organic coating with a thickness of 25 µm. The surface is uniform, smooth - shiny or metallic. A material with a very wide range of applications. It is available in a wide range of colours described by means of a universal RAL chart.

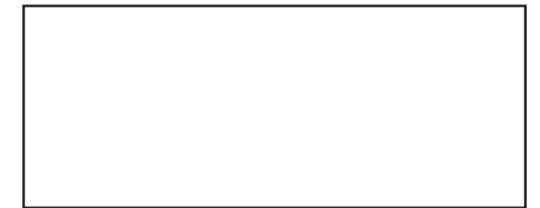
Warranty period: 10 years.

CHALKBOARD [C]



The coating for all types of wet-erase boards is manufactured on the basis of a galvanised charge and coated with a Chalkboard paint, making it possible to write on it with chalk. It has additional foil protection.

MARKERBOARD [M]



The coating for all types of dry erase boards is manufactured on the basis of a galvanised charge and coated with a special Markerboard paint. Surface with gloss of 80-90 GU and hardness of 2H. It is protected by a protective film.

COATING PROPERTIES

The following overview is indicative.

Code	Coatings thickness	Corrosion resistance	UV resistance	Warranty period (years)
Zinc [ZN]	200 g/m ² 275 g/m ²	RC2	n/a	n/a
Aluzinc [AZ 150]	150 g/m ²	RC2	n/a	n/a
POLIESTER Interior [INT]	15 µm	RA2	n/a	n/a
POLIESTER Standard [RAL]	25 µm	RC3	RUV2	10
ULTIMAT 35 Standard [UTK]	35 µm	RC4	RUV4	20, 30**
Aluzinc [AZ 185]	185 g/m ²	RC3	n/a	25
ICE COVER ZM [ICep]	35 µm	RC3	RUV4	35
HERCULIT [HC]	35 µm	RC4	RUV4	40 [IZI, ZET - 55*]

*Applies to IZI and ZET modular tiles

**Applies to MODULAR SERIES and COMPACT SERIES with ULTIMAT [UTK] coating purchased together with the INGURI rainwater system in colours with the warranty of repeatability.



Detailed warranty conditions are specified in the warranty card. For MODULAR SERIES modular roof tiles and COMPACT SERIES compact roof tiles, the warranty becomes valid after registration on the website www.warranty.bp2.eu.

COATING AVAILABILITY

The following overview is indicative.

Code	ZN	AZ 150	INT	RAL	AZ 185	UTK	HC	ICep
Coatings thickness	200/275 g/m ²	150 g/m ²	15 µm	25 µm	185g/m ²	35 µm	35 µm	35 µm
MODULAR SERIES	☐	☐	☐	☐	☐	■	■	☐
COMPACT SERIES	☐	☐	☐	■	☐	■	■	■
CLASSIC SERIES	☐	☐	☐	■	☐	■	■	■
LAMBDA 2.0	☐	■	☐	■	■	■	■	■
Trapezoidal sheets T7 to T18 / T18 ECO	■	■	■	■	■	■	■	■
Trapezoidal sheets T35 to T55	■	■	■	■	■	■	■	■
Trapezoidal sheets T60	■	■	■	■	■	☐	☐	☐
Trapezoidal sheets T80 to T200	☐	☐	■	☐	☐	☐	☐	☐



The possibility of manufacturing profiles with other coatings is discussed individually with the sales department.

ANTI-CONDENSATION COATING



DRIPSTOP anti-condensation coating

Condensation is a phenomenon that occurs on uninsulated steel roofing materials. This phenomenon can lead to certain problems, e.g. corrosion, dampness in the attic, and damage to the materials below. BP2.eu offers a simple and economical, yet effective solution to the problem of condensate, which is the application of DRIPSTOP anti-condensation coating.

DRIPSTOP is a self-adhesive membrane bonded to the underside of the sheet. The main advantages of using this technology are:

- absorption of moisture appearing on the inside of the roof as a result of condensation,
- additional protection against corrosive processes (especially in buildings with an active chemical environment, such as stables),
- strength higher than standard insulation and vapour barriers, does not degrade, resistance to tearing,
- easy to clean with standard equipment (hose or pressure washer),
- increase in the degree of acoustic insulation of the covering,
- non-flammability, resistance to bacteria. An anti-condensation coating is applied to the flat metal strip before corrugation. This ensures perfect adhesion over the entire roofing surface.

SOUNDCONTROL sound-absorbing coating

The use of SOUNDCONTROL sound-absorbing coating on steel roofing and façade coverings effectively increases their sound insulation level. As a result, both precipitation noise and internal sound propagation are reduced. Coverings with SOUNDCONTROL coating can be used in all types of buildings that require high acoustic standards due to their size or purpose, such as production halls, sports facilities, commercial and residential buildings. Due to the very high moisture absorption capacity of the SOUNDCONTROL coating, it also functions as an anti-condensation membrane. The installation instructions and requirements for ventilation of the building are identical to those for the DRIPSTOP anti-condensation coating described below.

Application

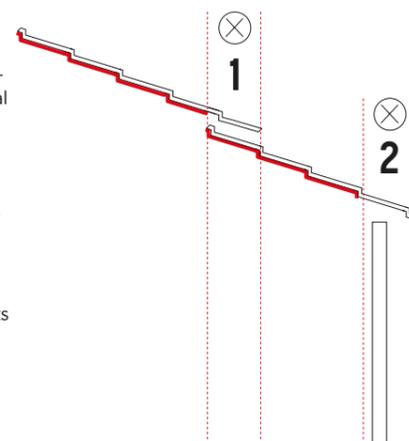
The DRIPSTOP anti-condensation coating is used in all types of uninsulated buildings with metal roofing. These include industrial buildings, sports facilities, outbuildings, and all kinds of sheds and shelters.

DRIPSTOP coated sheets can be used to make any profile of tile or trapezoidal sheet from our range. For roof panels mounted on battens, we recommend using a SOUNDCONTROL coating.

Installation guidance

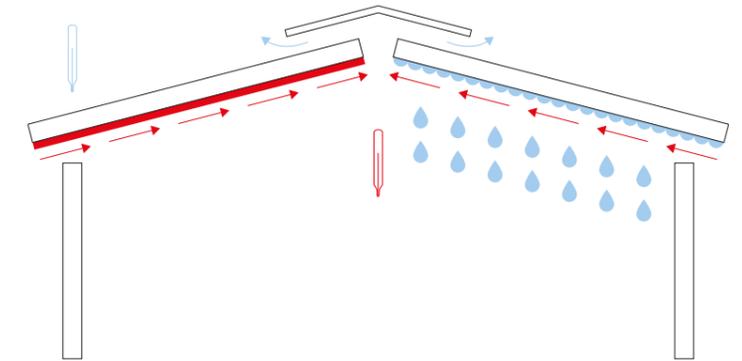
When installing the DRIPSTOP anti-condensation coating, it is essential to remove any areas that do not provide an outlet for moist air. This applies in particular to:

1. the parts of the covering directly above the wall and outside the building,
2. the place of overlap of the sheets - if the covering consists of several sheets joined from lengths.



Properties

The process of condensation begins when atmospheric conditions reach the dew point - a state of temperature and humidity at which water vapour in the atmosphere begins to condense. This usually takes place at sunset. At night, condensation drips off the uninsulated covering. An anti-condensation coating is a membrane with specially designed pockets which, by trapping moisture on one side, prevent it from falling off and insulate the roof covering from direct contact with water on the other. During the day, moisture evaporates from the coating back into the atmosphere.

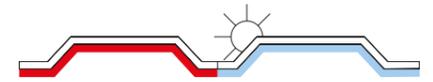


„In the case of buildings, condensation can be enhanced by temperature differences - the inside of the building stays warm while the outside temperature drops quickly. The thermally conductive properties of steel roofing cause strong condensation from the warm room on the inside of the roof.

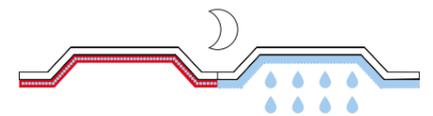
DRIPSTOP guarantees effective protection of the roofing and underlying materials by stopping the condensation process.

Proper ventilation of the building is a prerequisite for the proper functioning of the DRIPSTOP membrane. Because moist air is lighter than dry air, it collects under the roof. In order for the anti-condensation coating to release moisture during the day, an outlet for the moist air is required. This factor should be taken into account when designing the roof. As one of the solutions for ventilating the roof of a building are the indications of DIN 4108-3.“

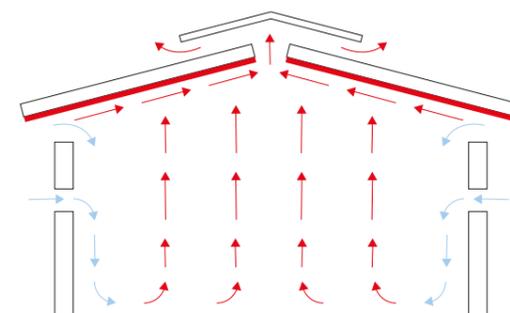
Evening Passing the dew point causes condensation on the inside of the roofing material.



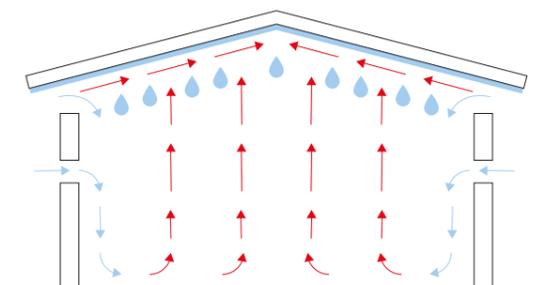
The DRIPSTOP coating absorbs and retains condensation. This prevents water dripping off as in the case of an unprotected covering.



During the day, the anti-condensation coating evaporates moisture.



Proper ventilation
The vent provides an outlet for moist air.



Incorrect ventilation
Moist air is not evacuated.



ATTENTION! The bonding is permanent. DRIPSTOP cannot be removed and re-applied. When using DRIPSTOP on the roofing of farm buildings, it is recommended to wash it with a fungicide at least once a year. When installing the covering, the phenomenon of capillary rise should be eliminated. The DRIPSTOP coating must therefore be removed manually in the eaves and ridge area (at least 10 cm spacing). Anti-condensation coated sheets should adhere tightly to the supports and frames of the structure. Therefore, regardless of the profile, they should be fixed to the supports in each lower wave.

COLOURS



Printing technology does not allow for faithful colour rendition, so the colours shown are approximate and may differ from actual colours.

HERCULIT [HC]



 The MODULAR SERIES AND COMPACT SERIES roof tiles made of HERCULIT-coated sheets are guaranteed to have a repeatable colour.

ICE COVER ZM [ICep]



ULTIMAT [UTK]



 Sheet colours with the ULTIMAT coating with warranty of repeatability for the COMPACT SERIES roof tiles.

 In addition, custom colours and coatings are available upon individual request, outside of the palette shown.

	The standard thickness of the sheets is 0.5 mm
[0.6]	The material is also available in the thickness of 0.6 mm
[0.7]	The material is also available in the thickness of 0.7 mm
[0.8]	The material is also available in the thickness of 0.8 mm
[1.0]	The material is also available in the thickness of 1.0 mm

POLIESTER Standard [RAL]

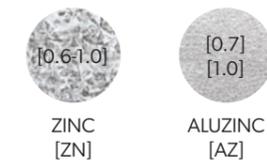


SP35 Multilayer [SP35/MULTI]

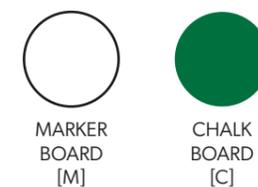


*Also available in a double-sided coated version: Winchester - SH252/SH252, Dark Oak - SH59/SH59, Golden Oak - SH65/SH65

Metallic coating



Board sheets



CONTACT US

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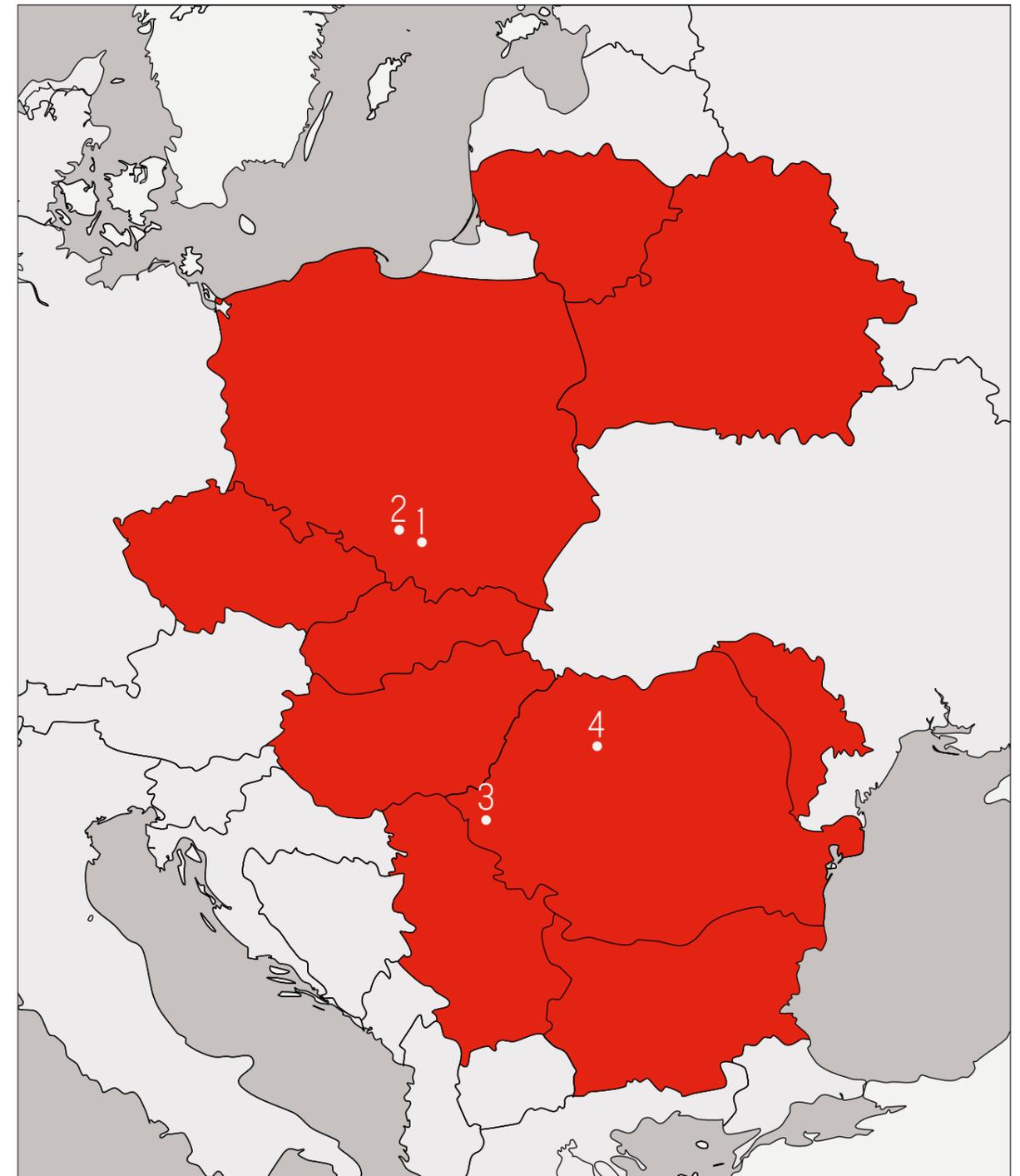
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www.youtube.com/c/BLACHPROFIL2eu



1. **Alwernia n/Cracow, Poland**
2. **Dąbrowa Górnicza, Poland**
3. **Timisoara, Romania**
4. **Cluj Napoca, Romania**



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