

CATALOGUE OF PRODUCTS

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BTR  SYSTEMS

GROUP  BLACHOTRAPEZ



STONE CHIP COATED ROOFING



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Part of the Blachotrapez Group, BTR Systems offers durable and reliable stone chip coated roofing. The highest quality of the products is confirmed by our 60-year warranty – the longest on the market.

A bold take on tradition. Following innovation. Involvement in the latest technologies. All these values are reflected in the activities of BTR Systems – the leading manufacturer of stone chip coated roofing tiles in Poland. An extensive technology park and its own research laboratory, employing qualified staff, allow the highest quality of finished product to be obtained.

The products are currently available in five types of profile, which correspond to various trends in architecture. Our flagship products are Thunder and Blizzard, along with three new ones: Storm, Mistral and Bolt.

THE STRENGTH OF STONE AGGREGATE

The stone chip coating stands out thanks to its distinct structure, visible even from a great distance. The coarse stone chips create an effective barrier resistant to weather conditions. The surface of the stone chip coated roofing is resistant to scratches and damage. It is more convenient in transport and during assembly, as well as in everyday use. The ability to dampen sound is also an advantage of stone chip coated roofing, which significantly increases the comfort of time in the attic during a downpour or hailstorm. Stone chip coated roofing also protects against excessive overheating of rooms in the attic.

- Corrosion resistance
- Resistance to roofline heating
- Light roof cover
- High sound insulation
- Low transport and storage costs
- High mechanical resistance
- Perfect for roofs with different angles of inclination
- Fireproofing
- Resistance to strong wind gusts





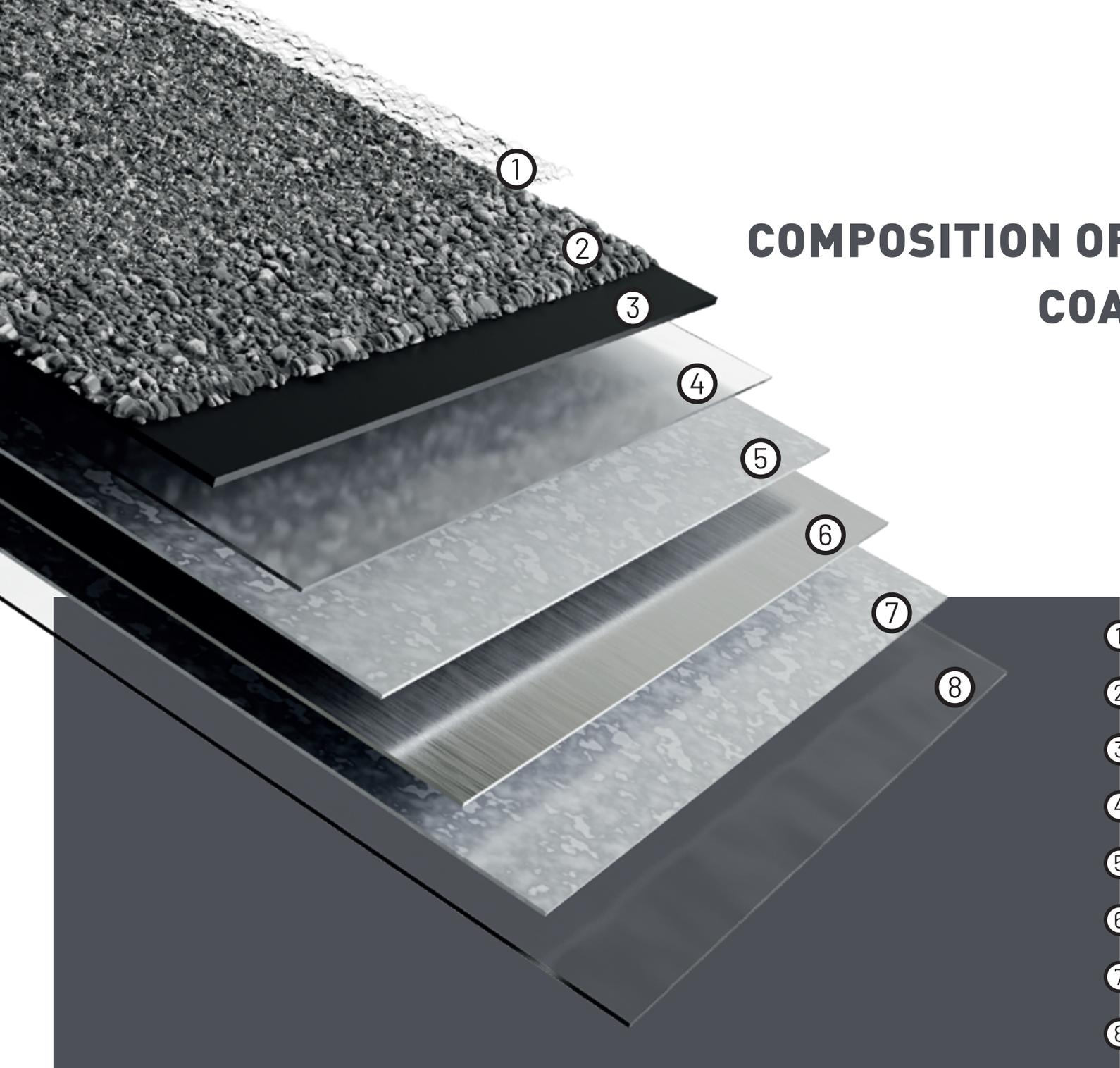
TÜV NORD TESTED PRODUCT

Our revolutionary Thunder and Blizzard roofing systems are TÜV NORD certified. This is a symbol of durability and safety, as well as confirmation of the highest quality recognised by international experts.

EASY AND SIMPLE INSTALLATION

Meanwhile, roofers appreciate BTR Systems products for speed and ease of installation. Thanks to the regularity of the patterns, the roofing system is easily and quickly laid, while reducing the amount of waste. For roofers, we offer the possibility of free rental of the tools needed to assemble our products.

COMPOSITION OF STONE CHIP COATED MODULE



- ① Colourless acrylic coating
- ② Natural stone chips
- ③ Base layer
- ④ Passivation protective layer
- ⑤ Alu-zinc protective layer
- ⑥ Steel core
- ⑦ Alu-zinc protective layer
- ⑧ Passivation protective layer

AVAILABLE COLOUR SCHEME

Additional possibilities in enhancing the look of the roof are provided by our original colours – from classic black, or Onyx, through the ever-fashionable, timeless browns (Amber) and greys (Hematite), red shades (Jasper) to non-obvious green (Jade). This extensive colour range makes BTR Systems roofing solutions as elegant as they are full of energy and dynamics.



Onyx



Amber



Jade



Hematit



Jaspis



Ruby

PRODUCTS COVERED BY WARRANTY UP TO 60 YEARS

All BTR Systems roofing products are made of the highest quality steel sheets. The structure of the stone chip coated module consists of as many as eight layers that protect the roof panel and proof it against external factors such as snow, rain, high temperature and solar radiation. A steel core coated with alu-zinc on both sides guarantees extraordinary durability.

The continuous development of our manufacturing facility, i.e. the most modern, fully-automated production line and continuous quality control of finished products, allows us to meet the requirements of international suppliers at each stage of production, and provide the best products for our customers.

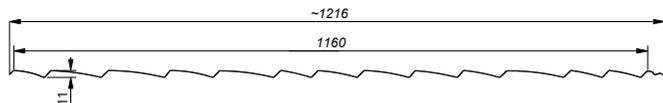




TECHNICAL PARAMETERS

Total width	~1216 mm
Width of actual cover	1160 mm
Height of step – tile offset	38 mm
Length of step – Module	380 mm
Length of sheet	430 mm
Profile depth	11 mm
Amount/m ²	2,27 pcs
The minimum angle of inclination of the roof	14 ^o

TECHNICAL DRAWING



AVAILABLE COLOUR SCHEME



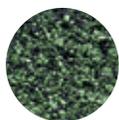
Onyx



Amber



Hematit



Jade









THUNDER draws its design inspiration from the architecture of Podhale.

Unique roofs made of wooden shingles are primarily associated with the mountain landscape. However, the high cost of manufacture of traditional coverings and the insufficient resistance of wood to external factors have contributed to the emergence of many alternatives on the market.

Therefore, in response to the needs of customers seeking new, ecological, unique solutions, we introduced a modular roof panel covered with a natural stone chip coating – THUNDER. A profile imitating a traditional wooden shingle, covered with natural stone chips. Designed and manufactured in Poland.

This is a product whose quality, reliability, durability and design will appeal to demanding customers, and which creates a kind of harmony when combined with wooden construction.

Its application ensures the roof's resistance to extreme weather conditions in the time of rapid climate change. These promises are confirmed by a 60-year warranty.

The THUNDER roofing module is much lighter than ceramic tiles, so it can also successfully replace them on older roofs. Moreover, the simple assembly and connection system guarantee perfect tightness of the covering – without risk of roof leakage.



Product implementation: **THUNDER**

Place: **Mokrzyska**

Scan QR code
and see video
registered by
a drone!





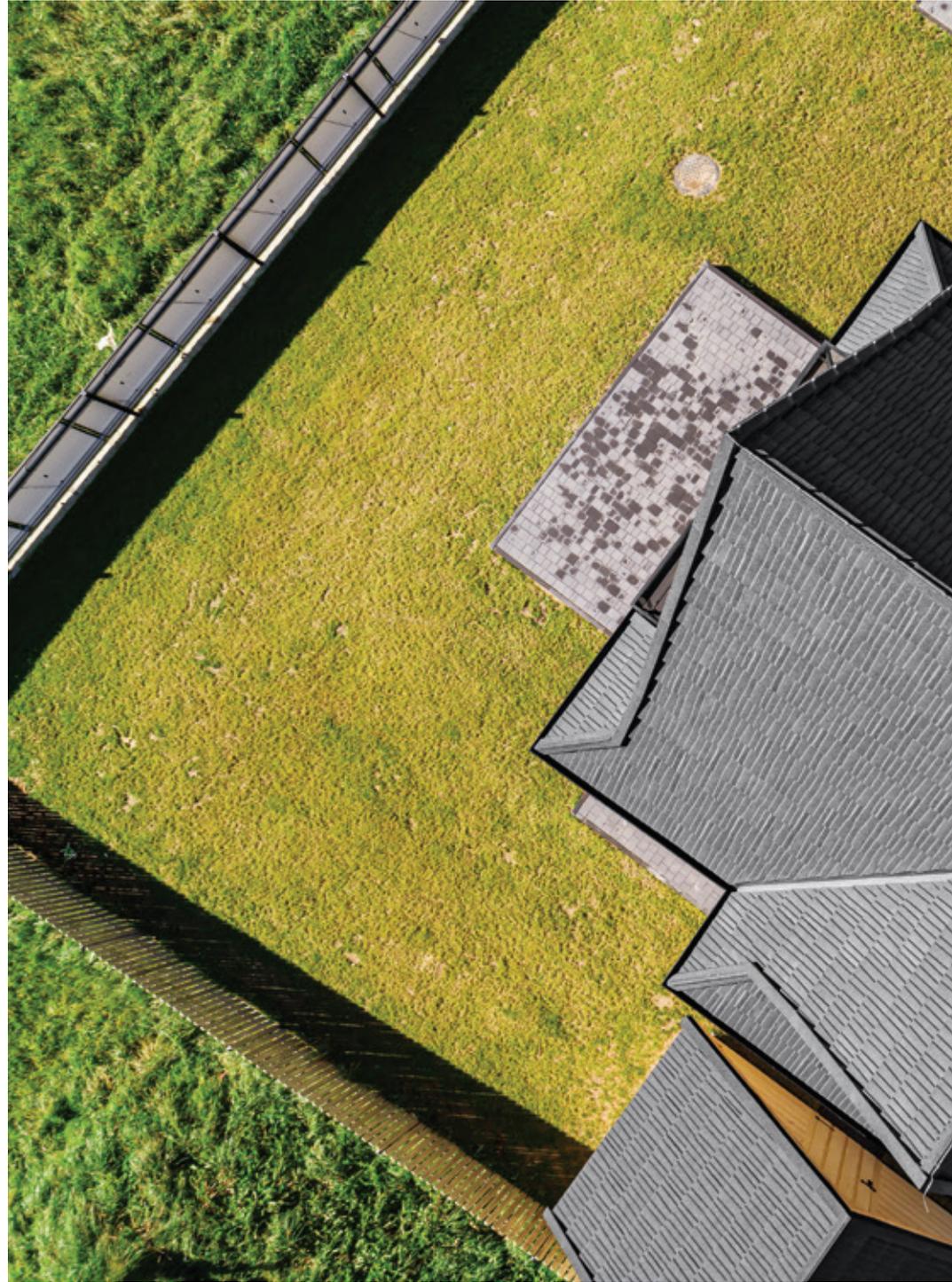


● Product implementation: **THUNDER**

● Place: **Meszna**

● Scan QR code
and see video
registered by
a drone!







● Product implementation: **THUNDER**

● Place: **Ząb**

● Scan QR code
and see video
registered by
a drone!

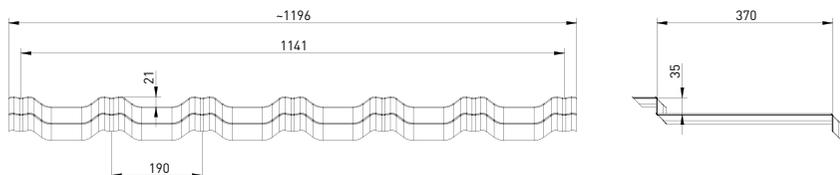




TECHNICAL PARAMETERS

Total width	~1196 mm
Width of actual cover	1141 mm
Height of step – tile offset	35 mm
Length of step – Module	370 mm
Length of sheet	430 mm
Profile depth	21 mm
Amount/m ²	2,37 pcs
The minimum angle of inclination of the roof	14°

TECHNICAL DRAWING



AVAILABLE COLOUR SCHEME









REFLECTION OF EXCELLENCE

A reliable roof covering that will protect your home for many years. Confirmed quality and reliability in harmony with nature and corresponding with its requirements. Product with the longest commercially available 60-year written warranty.

The unique appearance of the stone chip coated roof is ensured by its unique form with double dimple, which is a response to the current architectural trends.

BLIZZARD is a stylish, straight form with a double rib. The shape resembles classic ceramic roof tiles, which is complemented by the stone chip coating. A highly aesthetic product with a refined structure, BLIZZARD is an inherent landscape element of modern roof covers.

BLIZZARD has 6 deep ridges in each panel and is available in various colours that will prove effective not only on new builds, but also on more traditional buildings. The elegant optics of the arranged roof panels, deceptively resembling typical ceramic roofs, can be obtained with a roof inclination of 14°.

Nor is practical application forgotten about – anything to make the roofer's job easier. BLIZZARD stone chip coated roof tiles enable extremely quick and easy assembly. The regular pattern allows for the arrangement of the right number of tiles, such that during assembly, their optimal number is used with the least amount of waste.



Product implementation: **BLIZZARD**

Place: **Koszarawa**

Scan QR code
and see video
registered by
a drone!



STORM

TECHNICAL PARAMETERS

Total width	~1359 mm
Width of actual cover	1312 mm
Height of step – tile offset	35 mm
Length of step – Module	370 mm
Length of sheet	425 mm
Profile depth	7 mm
Amount/m ²	2,06 pcs
The minimum angle of inclination of the roof	14°

TECHNICAL DRAWING



AVAILABLE COLOUR SCHEME



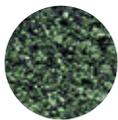
Onyx



Amber

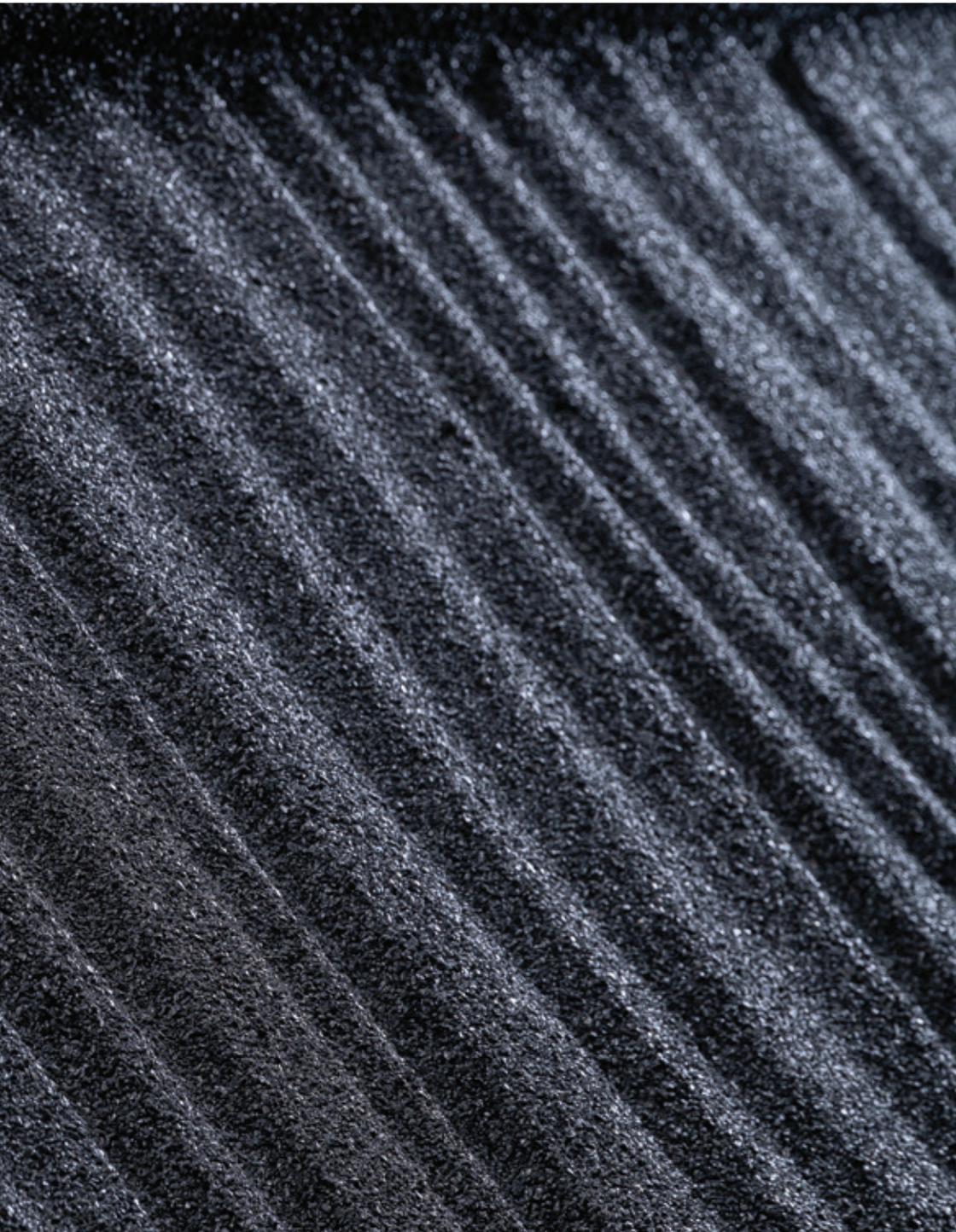


Hematit



Jade





STORM INSTILLING RESPECT

STORM stone chip coated roofing is, of course, a recognisable and striking shape from the very beginning – one of the latest products from BTR Systems, which will successfully fit into the latest styles, among others. It's a profile that perfectly fits with wooden construction and log cabins, as well as minimalist, designer buildings. The deep, expressive profile and irregularity of the pattern perfectly reflect the spirit of real aspen shingles and wood as a natural material.

It is a reflection of the aspen wood shingle that originates from Canada. It is the essence of good taste, and lovers of wooden architecture now have even more choices.

STORM draws its inspiration from nature. The untamed power of storms, downpours and high winds are just a few of the atmospheric factors that it easily copes with.

Proper installation of our roof covers ensures extraordinary resistance to wind gusts.

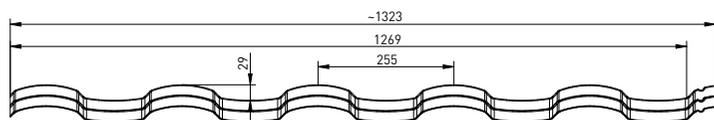
The BTR Systems offer includes stone chip coated accessories, thanks to which the result will be a harmoniously composed roof.

mis·tral

TECHNICAL PARAMETERS

Total width	~1323 mm
Width of actual cover	1269 mm
Height of step – tile offset	20 mm
Length of step – Module	370 mm
Length of sheet	425 mm
Profile depth	29 mm
Amount/m ²	2,13 pcs
The minimum angle of inclination of the roof	14°

TECHNICAL DRAWING



AVAILABLE COLOUR SCHEME



Onyx



Amber



Hematit

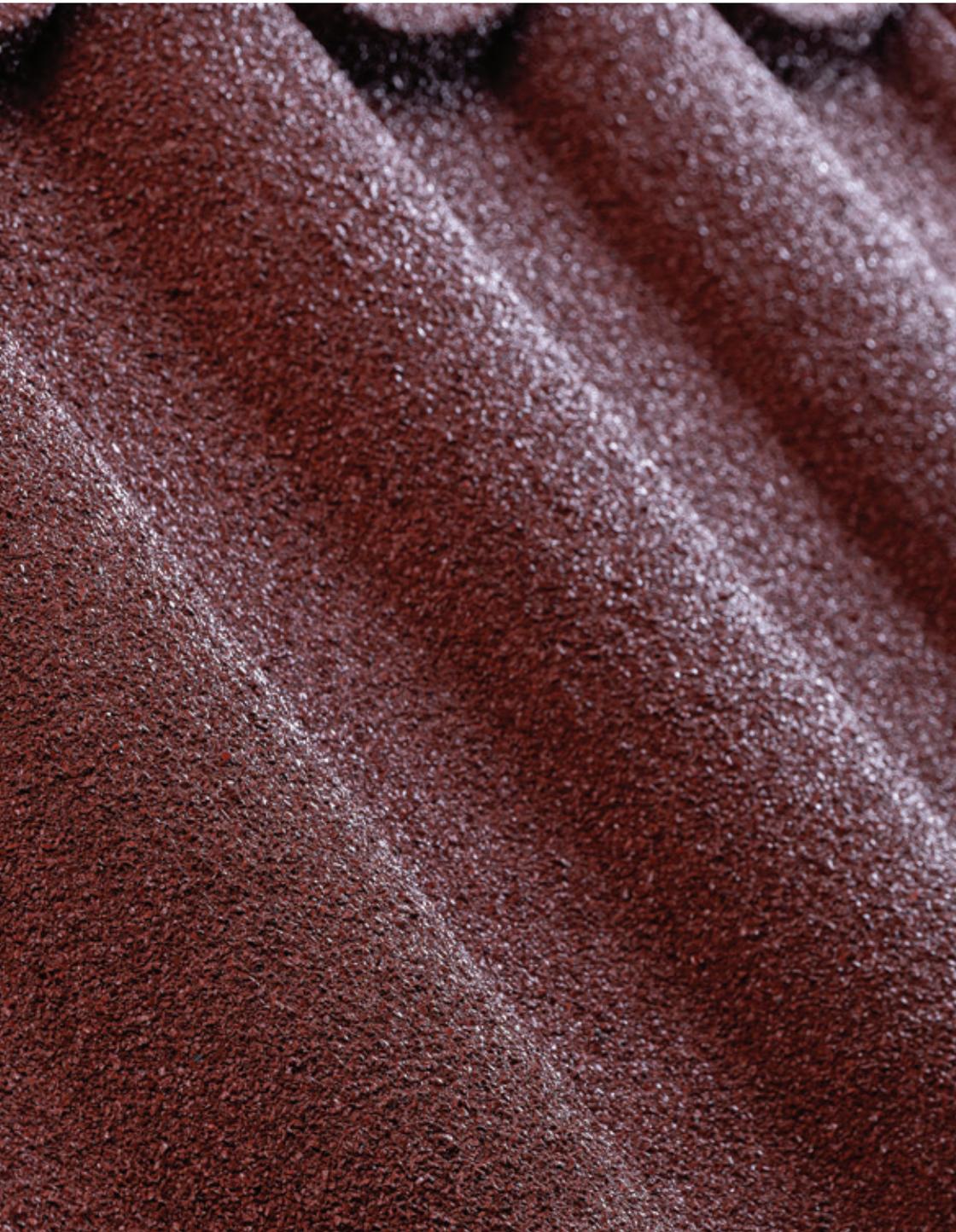


Ruby



Jaspis





MISTRAL ATTRACTS THANKS TO SYMMETRICAL PROFILE

Low rooflines, wide overhanging eaves and heavy red brick tiles are the elements that keep the home airy and cool during high temperatures and are still a common architectural element in Europe and the Mediterranean Basin to this day.

MISTRAL stone chip coated roofing was created to give the roof this uniquely Mediterranean look, additionally offering functionality and resistance to local weather conditions.

With its shape and name, MISTRAL refers to the wavy surface of the sea moved by the hot Mediterranean wind. The clear regularity of this roof cover makes it the perfect finish for the roofs of buildings with a regular, classic shape, especially in the colour Jasper. The composition, which combines the features of good architecture, refers to tradition while also being a breath of fresh air. MISTRAL is a profile with a timeless nature.

MISTRAL is made of high-quality materials with a steel core protected from corrosion on both sides with alu-zinc and finished with a stone chip coating available in a wide range of colours.



TECHNICAL PARAMETERS

Total width	~1357 mm
Width of actual cover	1282 mm
Height of step – tile offset	20 mm
Length of step – Module	370 mm
Length of sheet	425 mm
Profile depth	10 mm
Amount/m ²	2,11 pcs
The minimum angle of inclination of the roof	14°

TECHNICAL DRAWING



AVAILABLE COLOUR SCHEME



Onyx



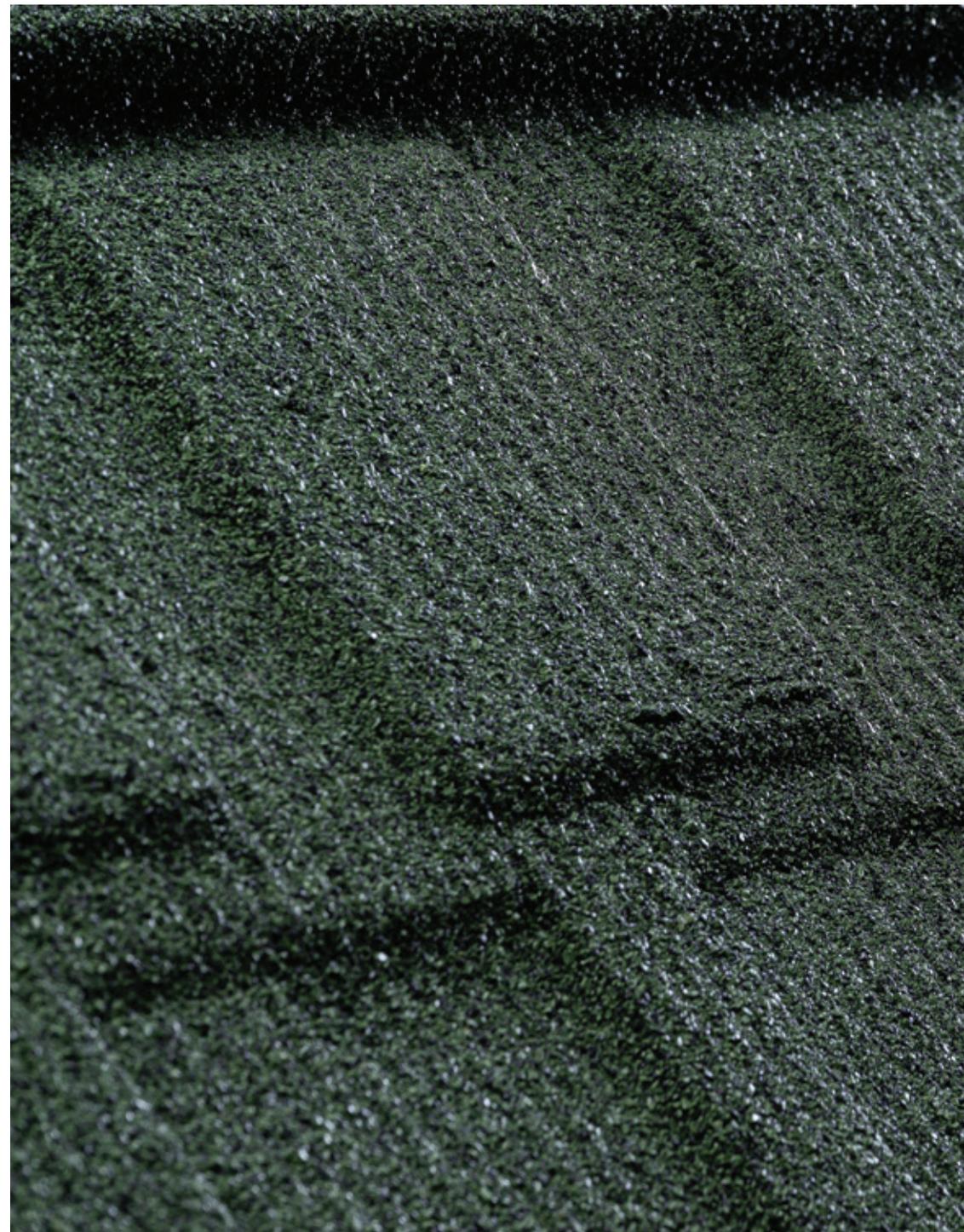
Amber

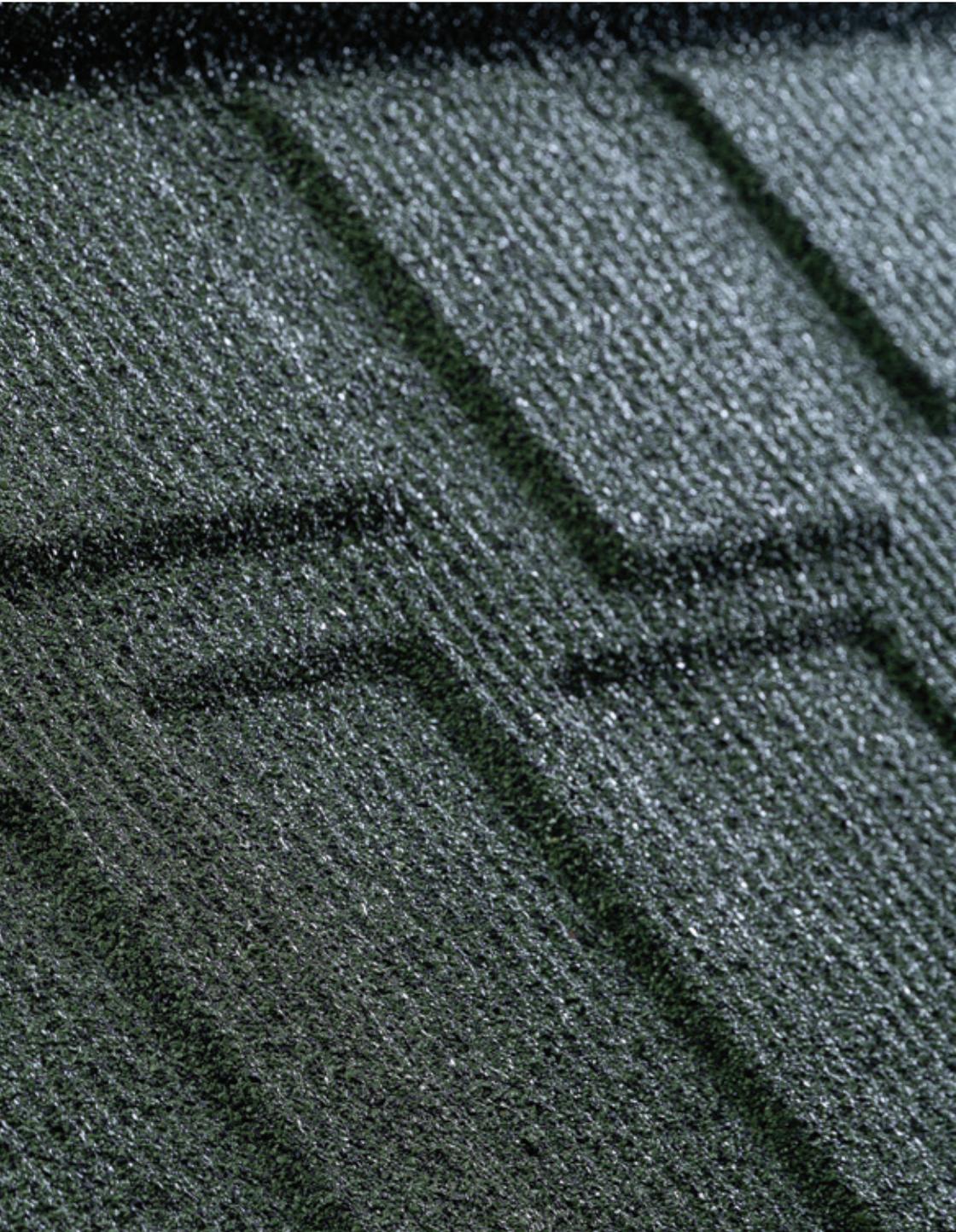


Hematit



Jade





BOLT – CATCHES THE ATTENTION WITH MAGNETIC FORCE

BOLT stone chip coated roofing refers to bitumen roof covers, however, its structure and form, combined with the strength of steel coated with alu-zinc on both sides, results in weather and fire resistance. BOLT is available in a variety of colours – from deep black Onyx to various earth tones.

An unobvious shape, attracting attention with an almost magnetic force... BOLT is a composition that intrigues and sharpens the senses, revealing the fullness of its shapes only when observed closely.

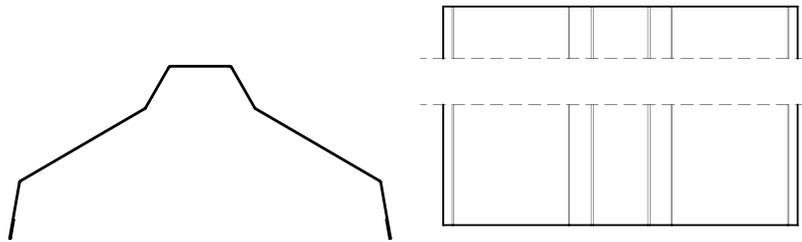
This unique, eye-catching design is a huge advantage of BOLT stone chip coated roofing, which provides an elegant finishing touch to the roof. There are 4 colours to choose from: black, grey, brown and green, which can be successfully matched to various shades of façade or window joinery. The charm of this roofing is also complemented by the coarse grain of the stone chips, thanks to which the roof cover has a distinctive, eye-catching appearance.

And although the strength of the BOLT profile lies precisely in its expression of design, this doesn't compromise quality. This product, refined in every detail, consists of several layers that make the roof resistant to weather conditions. It effectively suppresses the sound of raindrops or hailstones hitting it, as well as preventing overheating of the attic on hot summer days.

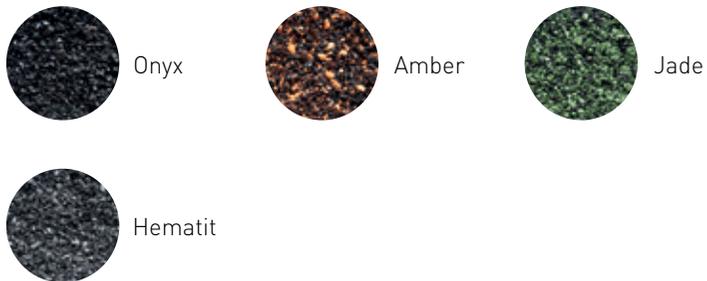
This does not mean, however, that BOLT works only in cases of unusual or even avant-garde architecture. The finish perfectly complements the classic shape, providing an elegant roofing solution.

THUNDER, STORM, BOLT ridge tile

TECHNICAL DRAWING

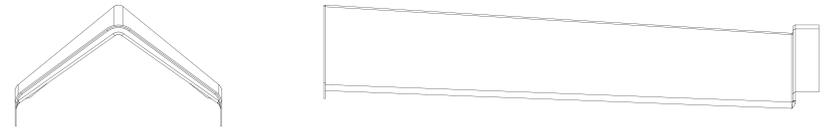


AVAILABLE COLOUR SCHEME

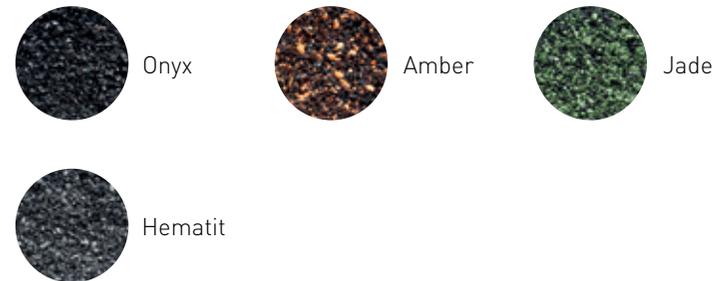


Modular ridge tiles

TECHNICAL DRAWING

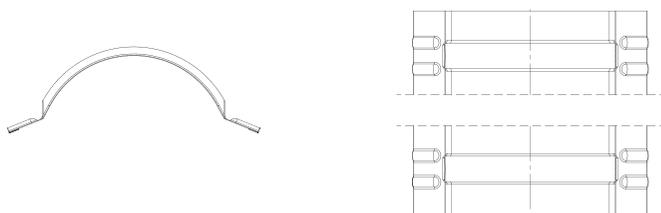


AVAILABLE COLOUR SCHEME



3-module ridge tile Blizzard, Mistral

TECHNICAL DRAWING



AVAILABLE COLOUR SCHEME



(Sanitary) ventilation chimney

* does not apply to the chimney
Application: Thunder, Storm, Blizzard, Mistral, Bolt

ILLUSTRATIVE PHOTO

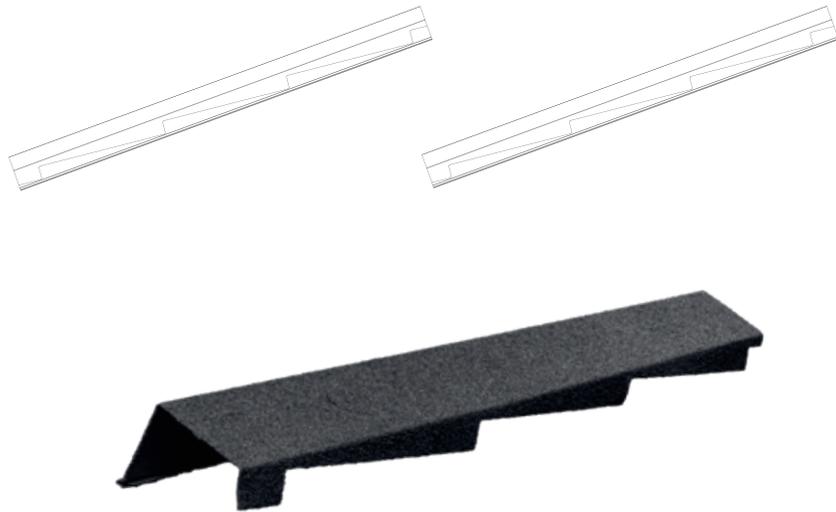


AVAILABLE COLOUR SCHEME

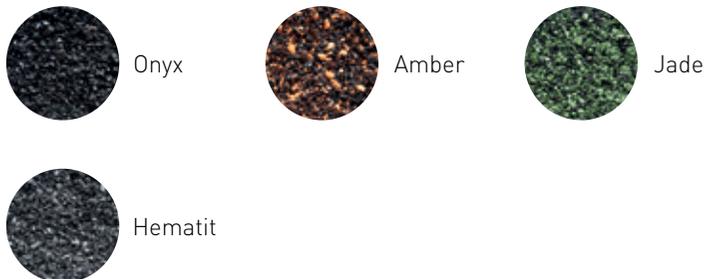


Left/Right profiled wind girder 380 THUNDER / 370 STORM

TECHNICAL DRAWING

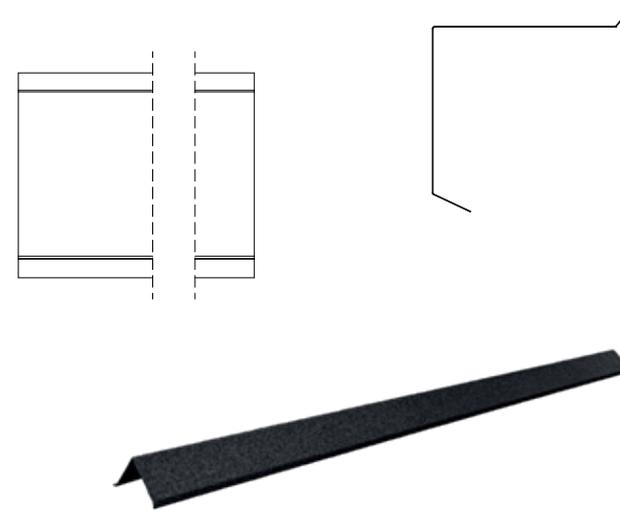


AVAILABLE COLOUR SCHEME



Universal wind girde

TECHNICAL DRAWING

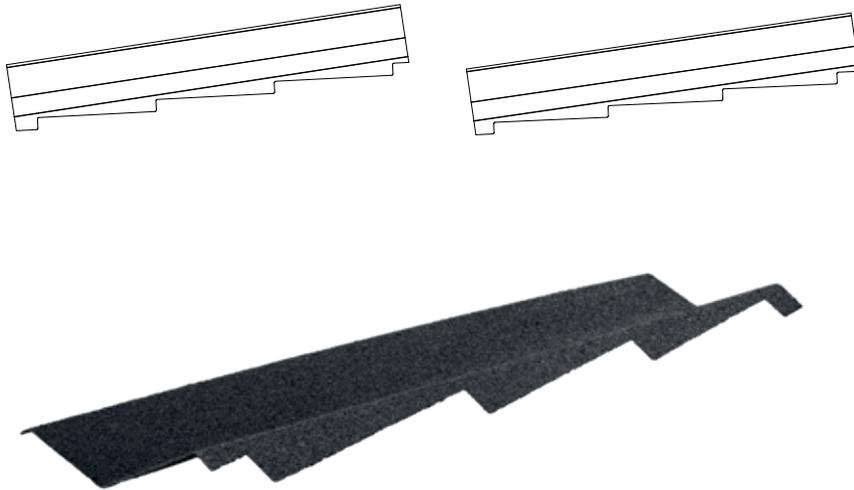


AVAILABLE COLOUR SCHEME

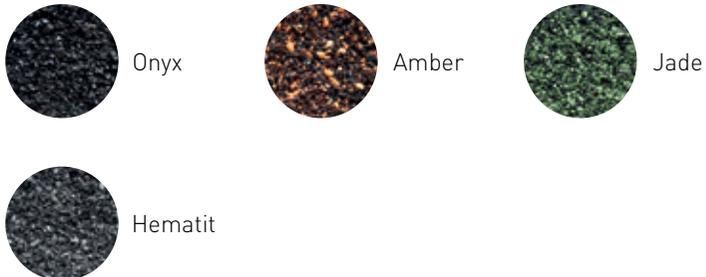


Side sheet fitting Left/Right 380 THUNDER / 370 STORM

TECHNICAL DRAWING



AVAILABLE COLOUR SCHEME



Sub-ridge girder

ILLUSTRATIVE PHOTO



TORX fasteners

Application: Thunder, Storm, Bolt



ILLUSTRATIVE PHOTO



Standard fasteners

*less washer
Application: Blizzard, Mistral



ILLUSTRATIVE PHOTO



Maintenance stone

ILLUSTRATIVE PHOTO



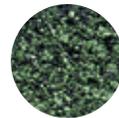
AVAILABLE COLOUR SCHEME



Onyx



Amber



Jade



Hematit



Jaspis



Ruby

Maintenance glue

ILLUSTRATIVE PHOTO



Bending machine

● ILLUSTRATIVE PHOTO



Guillotine

● ILLUSTRATIVE PHOTO



Flat sheet

ILLUSTRATIVE PHOTO



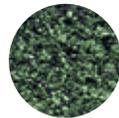
AVAILABLE COLOUR SCHEME



Onyx



Amber



Jade



Hematit



Jaspis



Ruby



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