

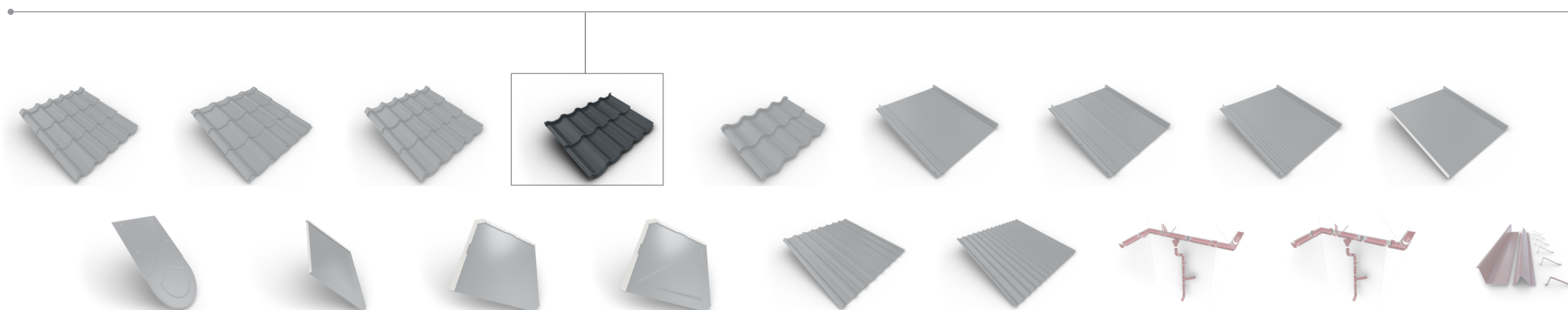
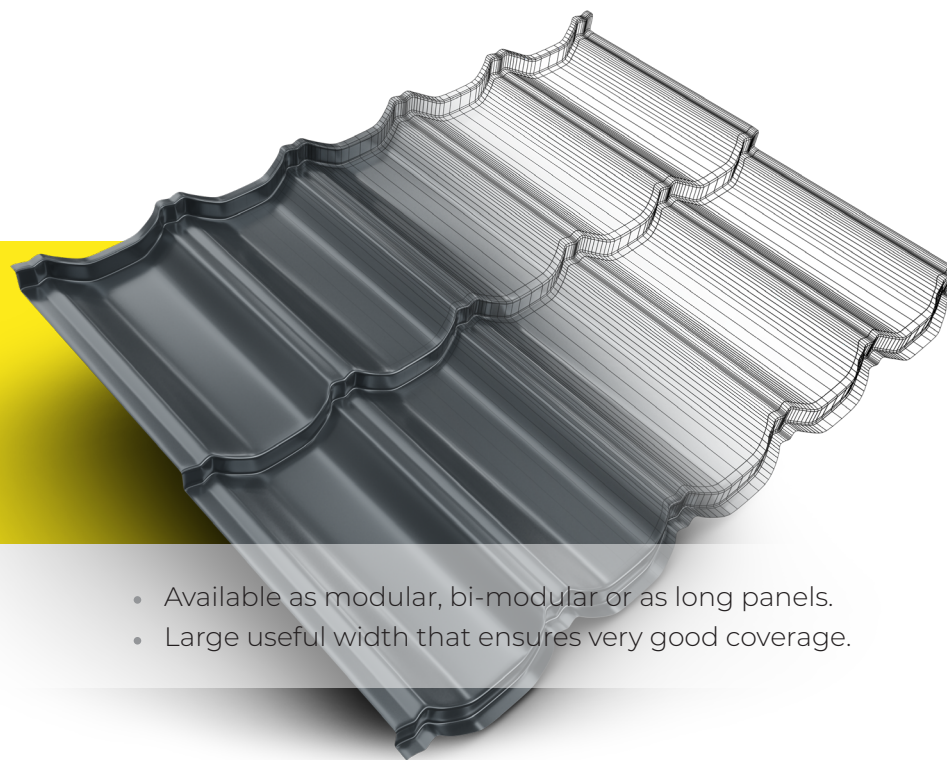
Residential ————— Metal Roof Tiles

BELPROFILE Sierra

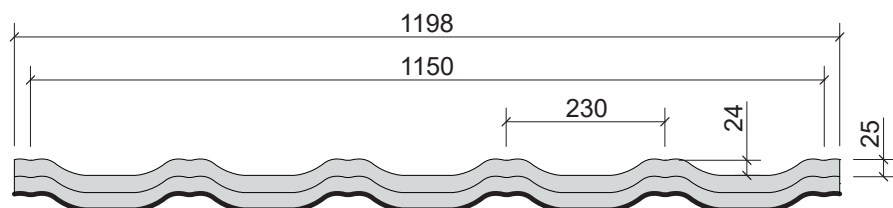
Sierra is inspired by Gothic architecture, a style that appreciates height and has a complicated and delicate aesthetics.

- Symmetrical profile, allows the assembly in both directions.
- Provides flexibility depending on the roof configuration.
- Special aspect, according to any project that aims to stand out.

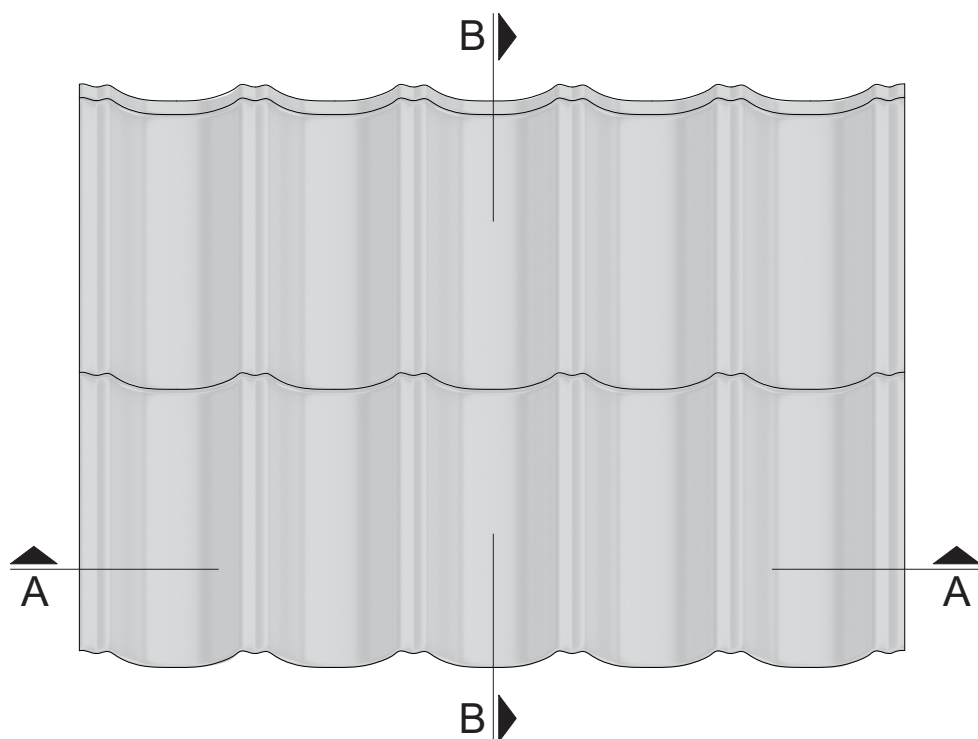
- Available as modular, bi-modular or as long panels.
- Large useful width that ensures very good coverage.



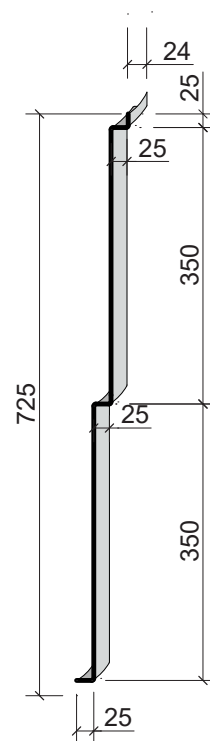
Bi-Modular Panels



A-A Section



Plan view



B-B Section

Total width
1198 mm

Useful width
1150 mm

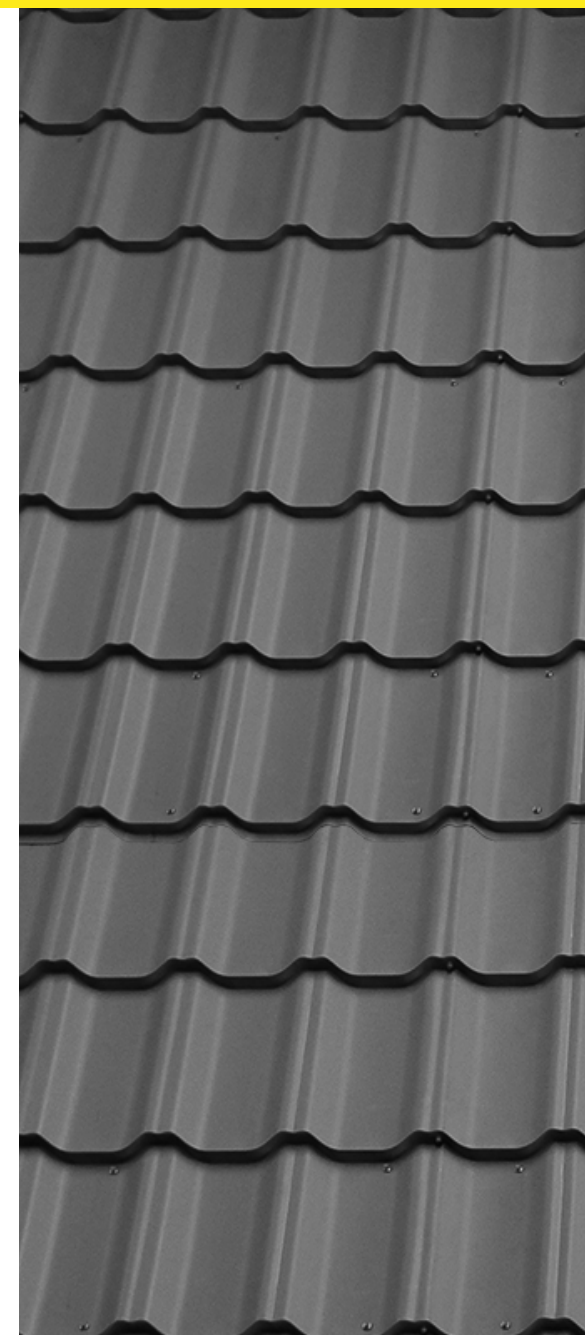
Profile depth
24 mm

Tile step height
25 mm

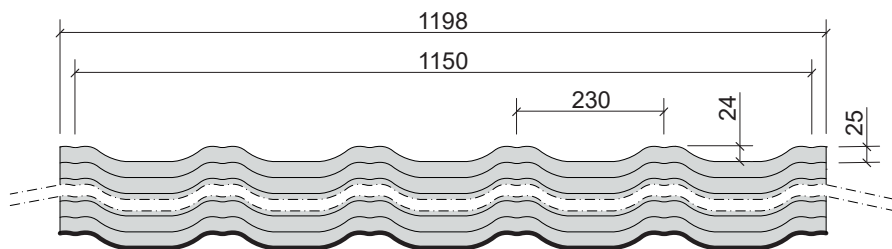
Total profile height
49 mm

Slipping distance
350 mm

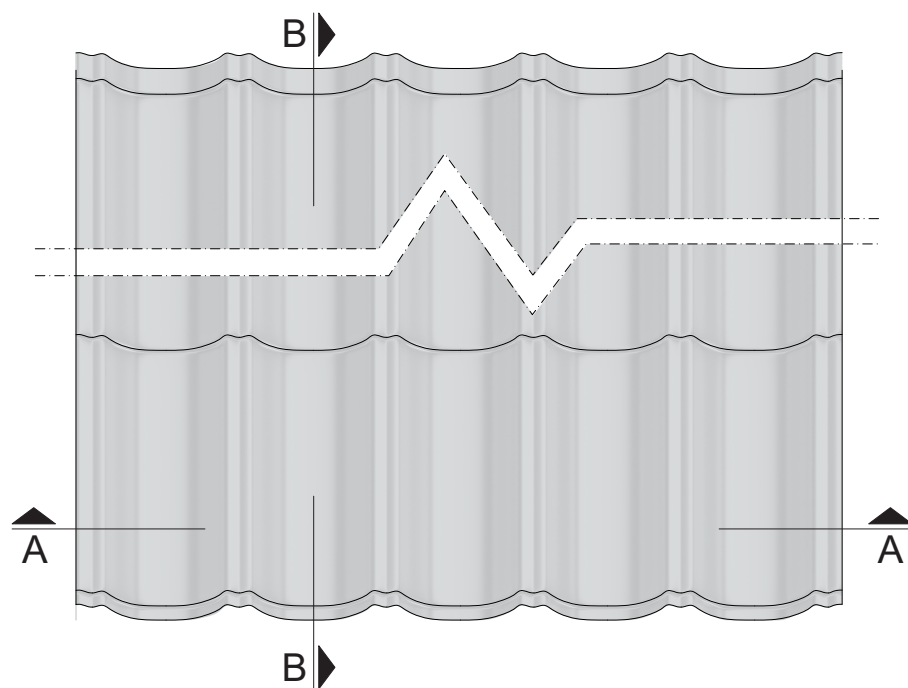
Minimum mounting
slope
14°



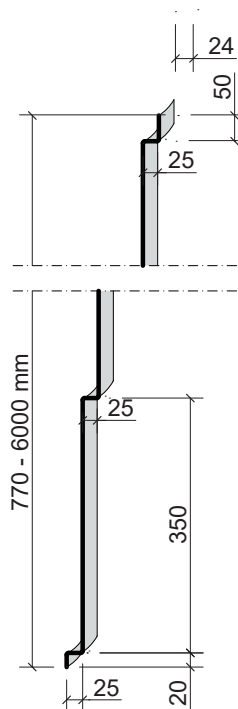
Panels cut to variable lengths (770 - 6000 mm)



A-A Section



Plan view



B-B Section

Total width
1181 mm

Useful width
1060 mm

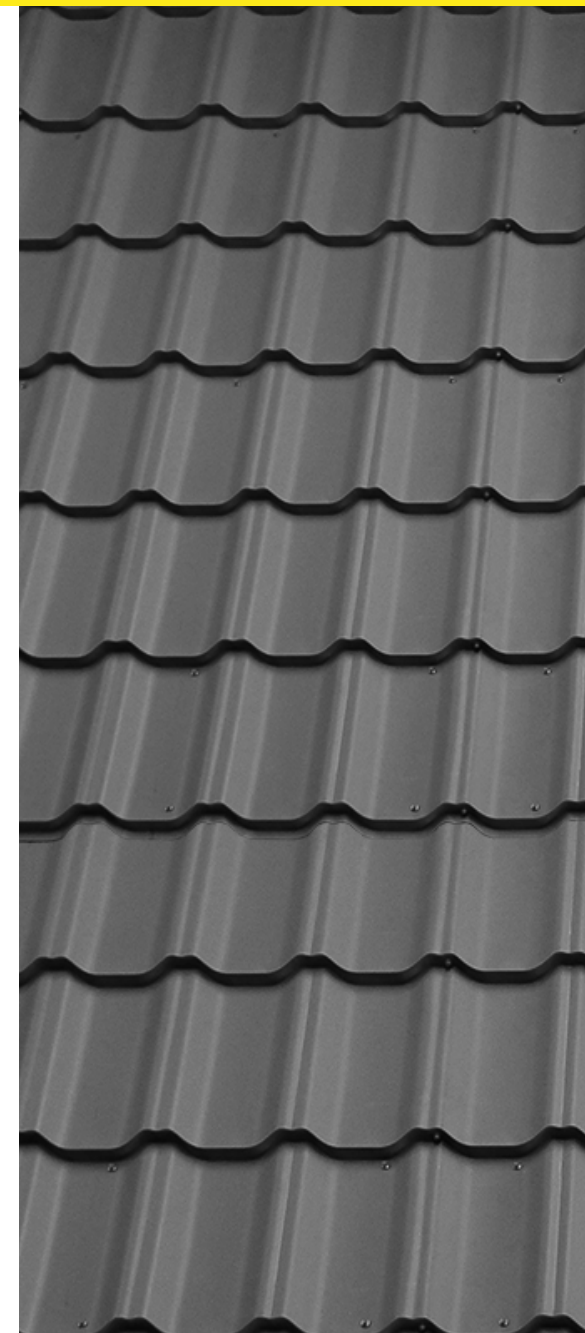
Profile depth
24 mm

Tile step height
25 mm

Total profile height
49 mm

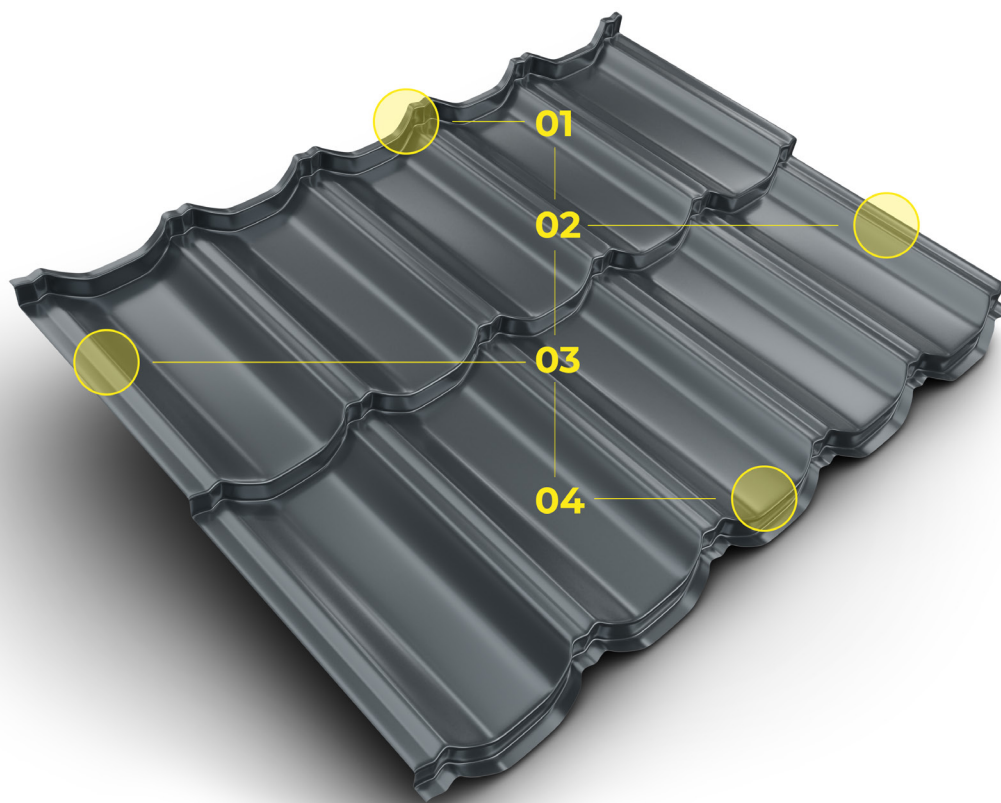
Slipping distance
350 mm

Minimum mounting
slope
14°





ADVANTAGES



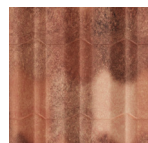
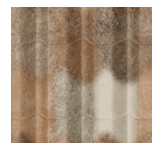
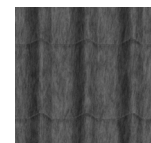
- 01 | High profile that offers increased stability and strength.
- 02 | Symmetrical profile, allows the assembly in both directions.
- 03 | Drainage channels are included in the profile model fulfilling both an aesthetic and a functional role.
- 04 | 25 mm high step for additional stiffening and a special look.

pre-painted hot-dip galvanized steel

 thickness **0,50 mm**

finish	warranty	weight	Zinc protection layer	protective paint layer
PrinTech	30 years	4 kg/m²	275 g/m²	HDP 30 + (7 ↔ 10) µm

The most efficient system for painting sheet metal products, it is applied in 10 layers and offers the longest life


 Spanish
ANDALUSIA

 Spanish
GRANADA


STONE GRAY



METAL GRAY

BigStone	30 years	4 kg/m²	275 g/m²	40 + (7 ↔ 10) µm
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Special paint applied in 7 layers, each having a role in protecting the sheet over time, has the texture of sand pebbles that gives superior hardness and resistance, ensures increased thermal comfort during the summer.



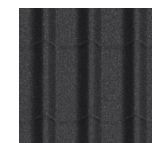
RAL 7024



RAL 8017



RAL 8019



RAL 9005

Matt	20 years	4 kg/m²	225 g/m²	25 + (7 ↔ 10) µm
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Matte polyester paint that gives the color increased stability over time.



RAL 7024



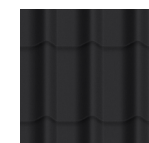
RAL 8004



RAL 8017



RAL 8019



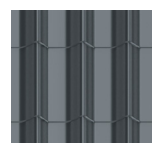
RAL 9005

SunClear	20 years	4 kg/m²	275 g/m²	25 + (7 ↔ 10) µm
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Glossy polyester paint, the traditional version of protection for metal products.



RAL 3009



RAL 7016

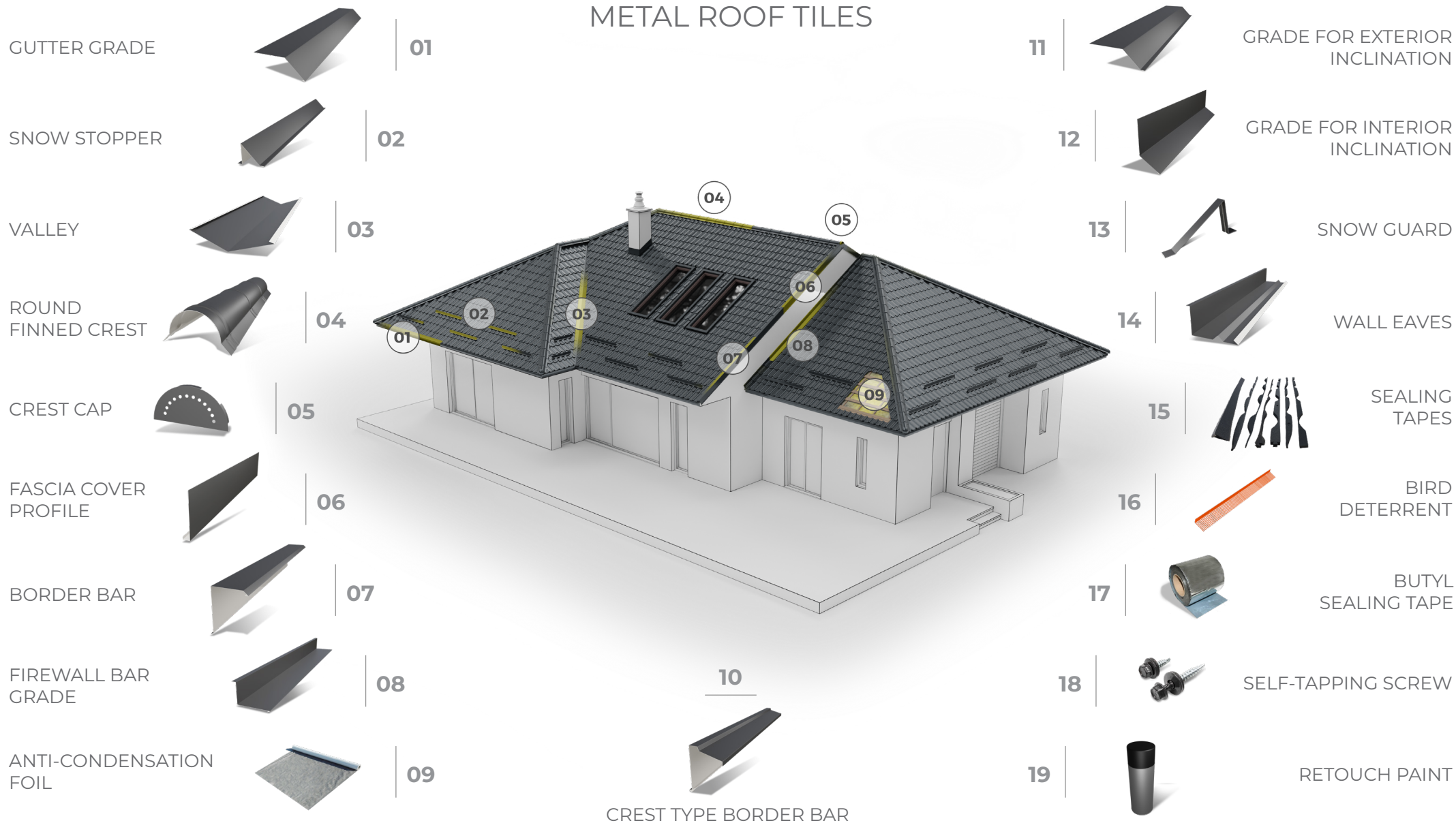


RAL 8017



RAL 9005

ACCESSORIES METAL ROOF TILES

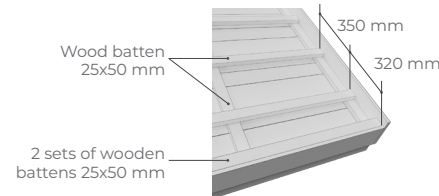


METAL ROOF TILE INSTALATION PRINCIPLES

Sheet-metal work components for rainwater collection shall be installed before positioning the metal tile panels

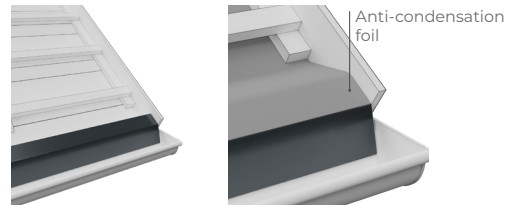
01 ROOF SIZING

Roof length shall be calculated between the eaves line and the ridge line, the metal tile panels being calculated as multiple of the length of a module (35 or 40 cm).



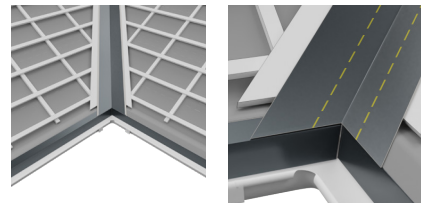
02 GUTTER GRADE

Shall be mounted on the batten for the rainwater collection system, after installing it, however before installing the anti-condensation foil. For installation, a 5 cm overlay with the gutter shall be used.



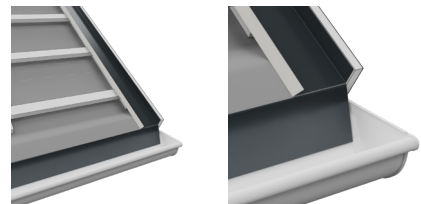
03 VALLEY

Shall be fastened with clamps, without drilling any holes. The valley flashing shall be installed at the intersection between 2 slopes of the roof.



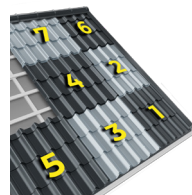
04 BORDER BAR GRADE

The border bar grade is used to collect rainwater from the sides of the roof.



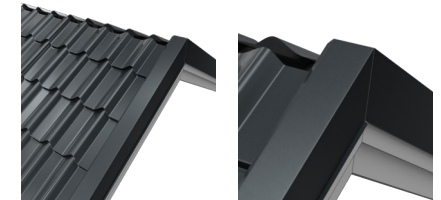
05 METAL TILE PANELS

The panels are placed from right to left, from the bottom. Before starting installation, we need to determine the angle between the eaves and the gable. Depending on the result obtained, the panels will be cut for perpendicular positioning on the eaves.



06 BORDER BAR

The border bar shall be installed over the metal tiles and the plank bordering the roof (fascia) and shall be set with self-drilling screws every 70 to 70 cm.



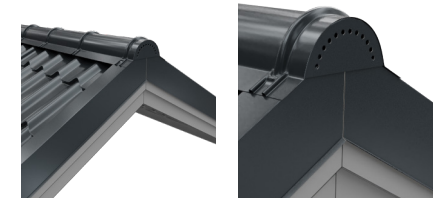
07 ROUND FINNED CRESTS

The ridges shall be set with self-drilling screws in the tangential spots of the metal tiles.



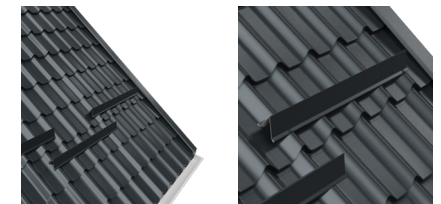
08 RIDGE CAPS

Shall be used for closing ribbed ridge tiles. It has holes to ensure proper ventilation of the entire roofing system.



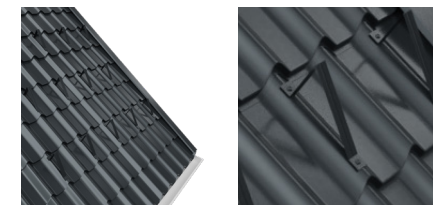
09 SNOW STOPPERS

Shall be installed in roofs with higher pitches, 70 cm from the lower edge of the roof.



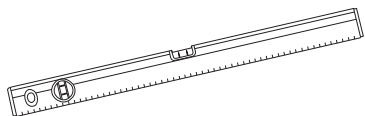
10 SNOW CUTTERS

They shall be installed in a triangle shape, in order to cut the mass of snow sliding from the roof, step by step.

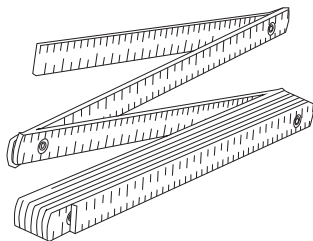


MINIMUM SET OF TOOLS REQUIRED FOR ASSEMBLY

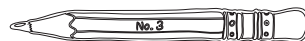
SPIRIT LEVEL



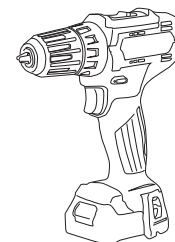
METER



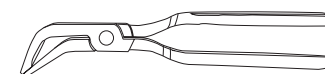
CARPENTRY PENCIL



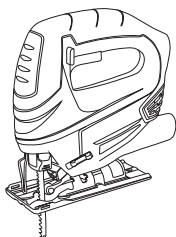
CORDLESS SCREWDRIVER



SHEET METAL PROFILE PLIERS



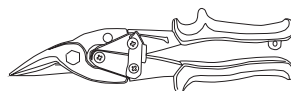
ELECTRIC JIGSAW



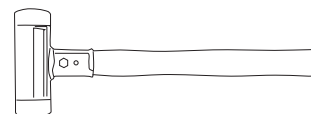
HACKSAW



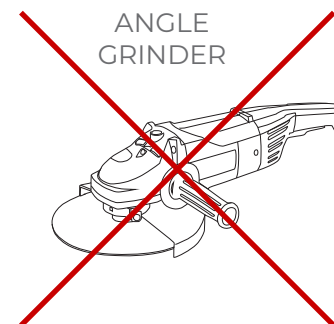
SHEET METAL SHEARS



SAFETY SOFT-FACED HAMMER



ANGLE GRINDER



VERY IMPORTANT!

BELPROFILE products (metal tiles, corrugated iron, drainage systems and accessories) are shipped on wooden pallets to avoid bending or hitting the products. Store in dry and ventilated areas, protected from sun, moisture and aggressive substances (eg: acids, salt, wet concrete). The tile is stored on wooden pallets, placed one meter away. It is not recommended to overlap more than 3 pallets of 150 tile sheets each. Pallets must be covered but good ventilation will be provided to prevent condensation. The storage of the tile outside must be only temporary, not more than 72 hours and in an inclined plane of at least 10°.

Metallic roof tiles handling

To lift the tile easily and without damage to the roof is recommended placement of two sleepers in the extension roof slats to the ground, thus so that the panels will be supported when they want be drawn.

Cutting

Special tools will be used in smithery (electric scissors or manual). It is strictly forbidden to cut with the help of an angle grinder.

Cleaning after cutting

The filing resulting from the cutting is removed with a soft brush.

Paint for retouching

It is used to cover accidental scratches and to protect cut edges. Do not use on large surfaces because color differences may occur.