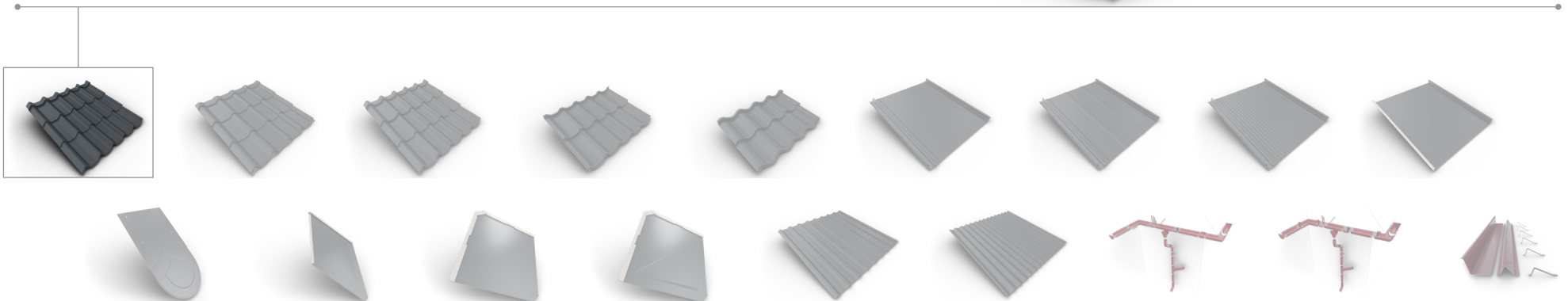
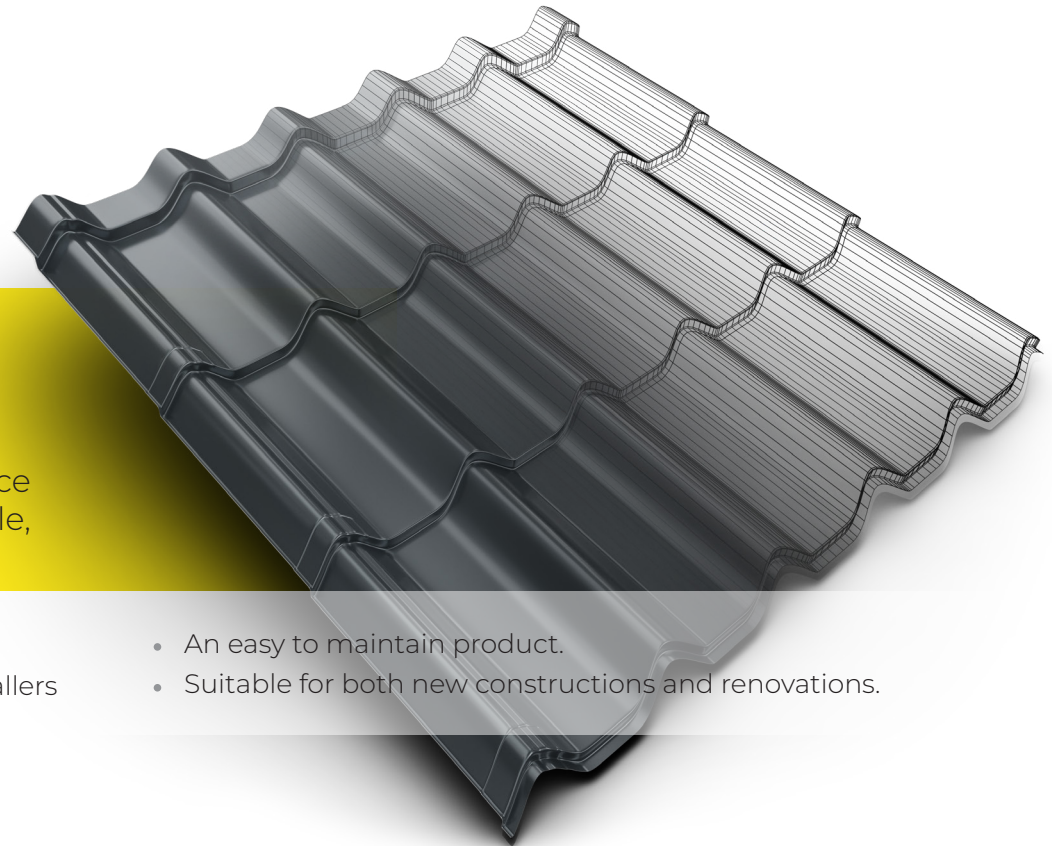


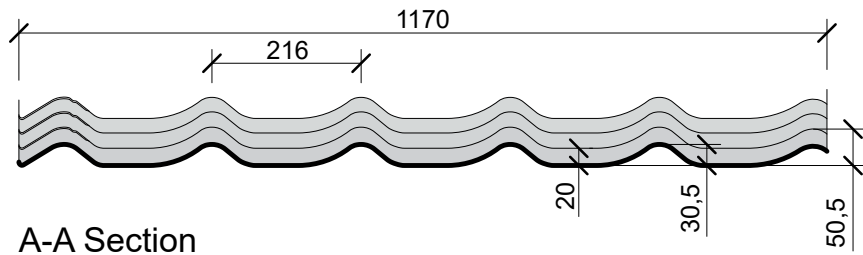
Residential ————— Metal Roof Tiles

BELPROFILE Nordic

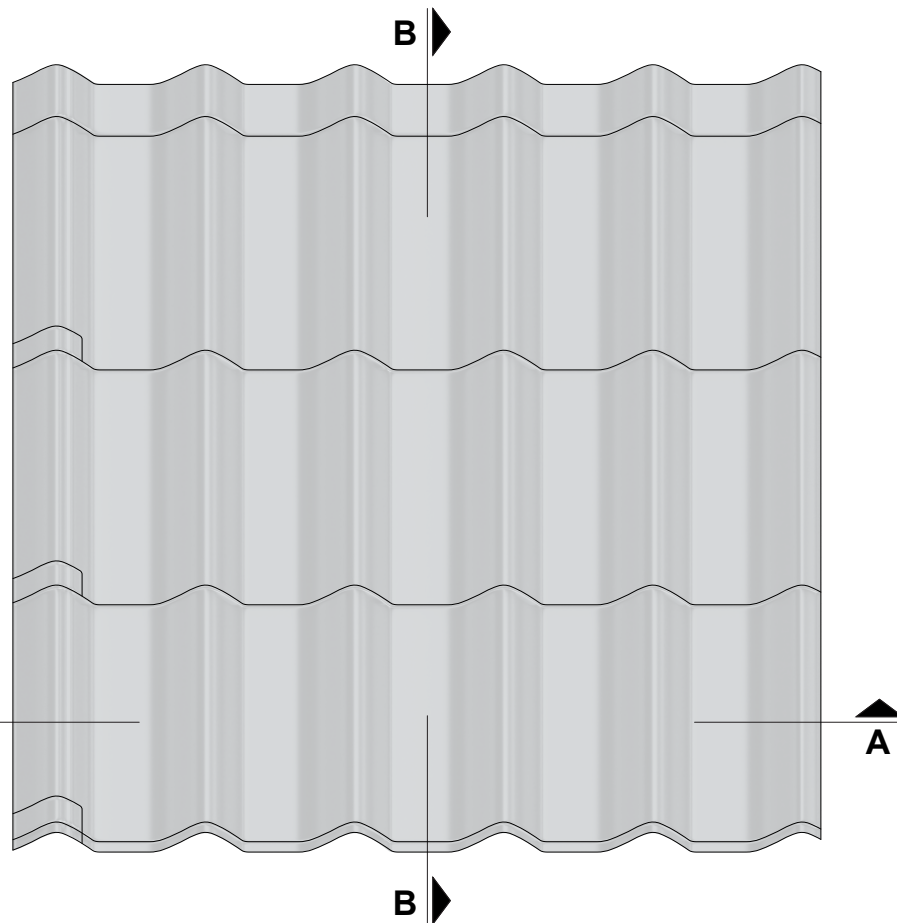
Designed in Finland, the Nordic roof combines elegance and functionality, generating an intimate and safe style, according to those who prefer simplicity and safety.

- State-of-the-art Finnish technology
- The technological advantages facilitate the mission of the installers resulting in a perfectly tight compact roof.
- The height of the waves and the width of the tiles ensure a modern look.
- An easy to maintain product.
- Suitable for both new constructions and renovations.

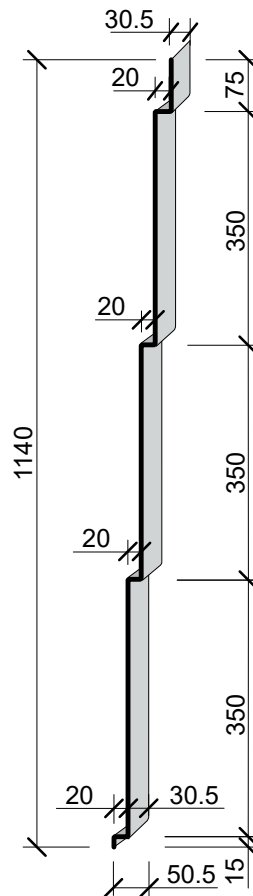




A-A Section



Plan view



B-B Section

Total width
1170 mm

Useful width
1080 mm

Profile depth
30.5 mm

Tile step height
20 mm

Total profile height
50.5 mm

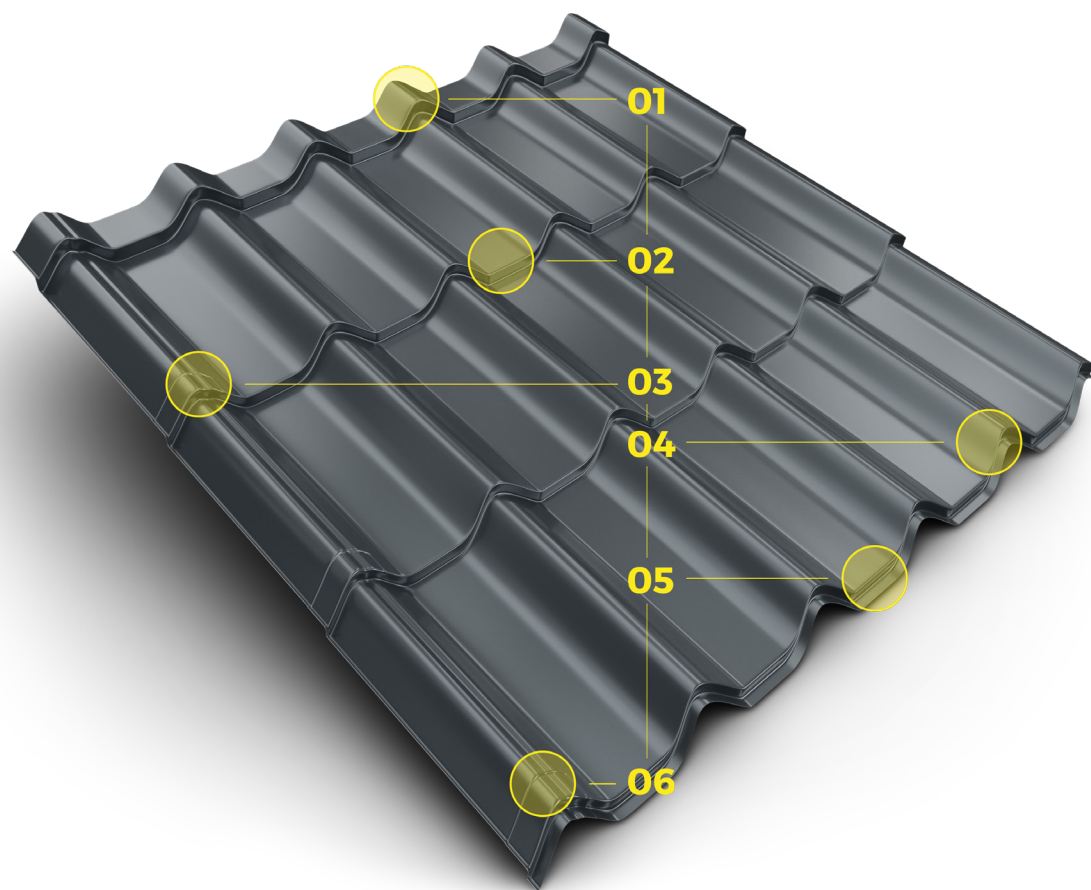
Slipping distance
350 mm

Minimum mounting slope
14°





ADVANTAGES



- 01 | The optimized size of the upper area eliminates the risk of capillary infiltrations
- 02 | The high height of the profile gives high resistance to mechanical loading caused by wind or heavy snow.
- 03 | Additional drainage channels prevent infiltrations in the most extreme cases, too.
- 04 | The three-dimensional finish allows easy overlaps without them being visible for a perfect flatness effect.
- 05 | Optimized overlap area to reduce material consumption without risking the safety of assembly (having 15 mm, double fixing in the plane is achieved).
- 06 | Additional drawing allows an invisible 4-corner joint giving a uniform appearance to the roof.

pre-painted hot-dip galvanized steel

thickness **0,50 mm**

finish	warranty	lifespan	weight	Zinc protection layer	protective paint layer
SandShape	20 years	80 years	4 kg/m²	225 g/m²	25 + (7 ↔ 10) μm

Matte polyester paint that gives the color increased stability over time.



RAL 7024



RAL 8004



RAL 8017



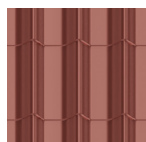
RAL 8019



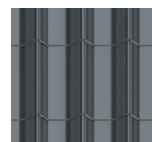
RAL 9005

SunClear	20 years	80 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

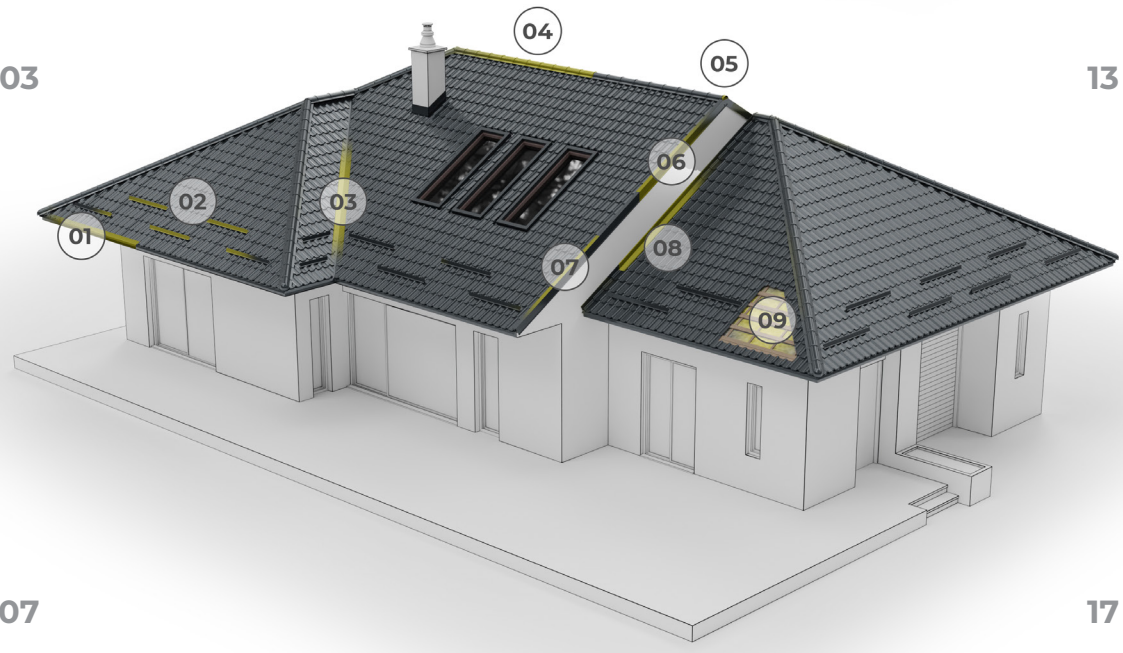


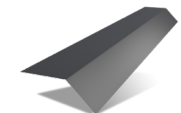
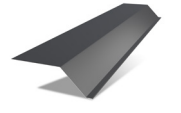
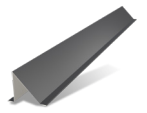




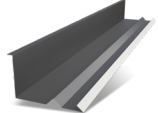



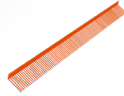
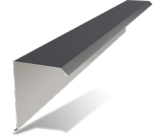
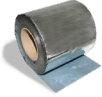
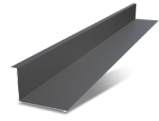

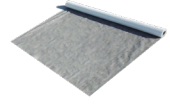

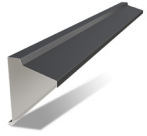
RAL 8017



RAL 9005

ACCESSORIES METAL ROOF TILES



GUTTER GRADE		01	11		GRADE FOR EXTERIOR INCLINATION
SNOW STOPPER		02	12		GRADE FOR INTERIOR INCLINATION
VALLEY		03	13		SNOW GUARD
ROUND FINNED CREST		04	14		WALL EAVES
CREST CAP		05	15		SEALING TAPES
FASCIA COVER PROFILE		06	16		BIRD DETERRENT
BORDER BAR		07	17		BUTYL SEALING TAPE
FIREWALL BAR GRADE		08	18		SELF-TAPPING SCREW
ANTI-CONDENSATION FOIL		09	19		RETOUCH PAINT
					

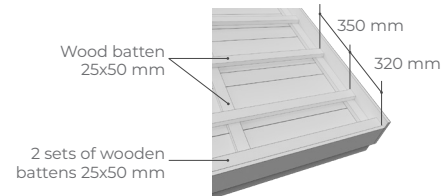
CREST TYPE BORDER BAR

METAL ROOF TILE INSTALATION PRINCIPLES

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

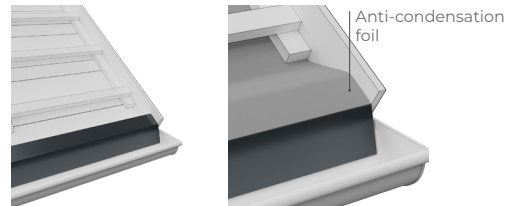
01 ROOF SIZING

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).



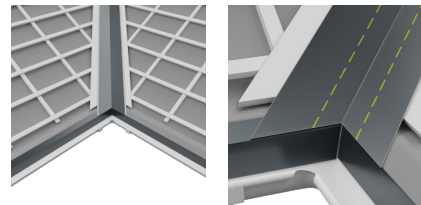
02 GUTTER GRADE

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.



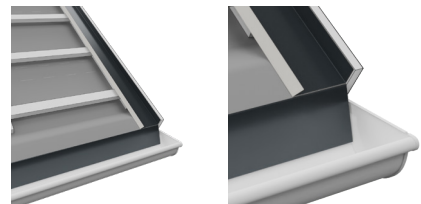
03 VALLEY

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



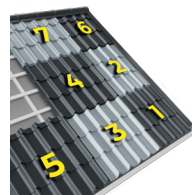
04 BORDER BAR GRADE

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



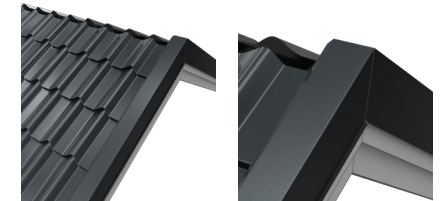
05 METAL TILE PANELS

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.



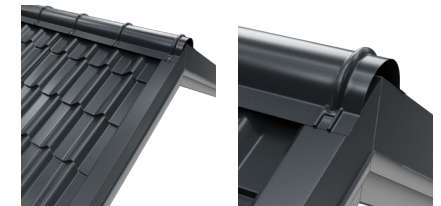
06 BORDER BAR

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.



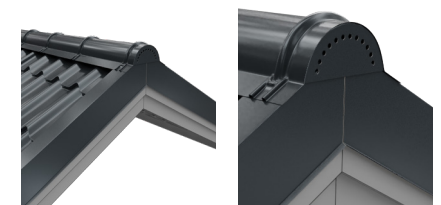
07 ROUND FINNED CRESTS

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



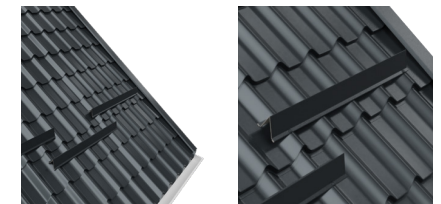
08 RIDGE CAPS

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



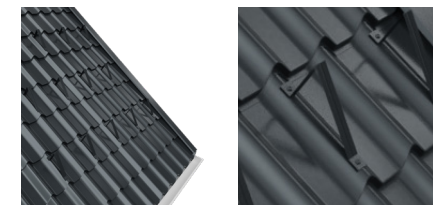
09 SNOW STOPPERS

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



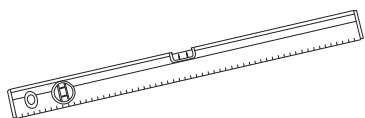
10 SNOW CUTTERS

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

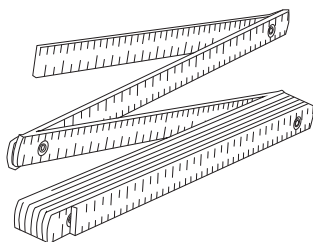


MINIMUM SET OF TOOLS REQUIRED FOR ASSEMBLY

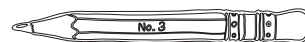
SPIRIT LEVEL



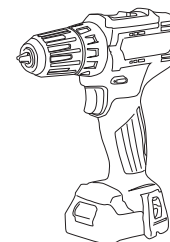
METER



CARPENTRY PENCIL



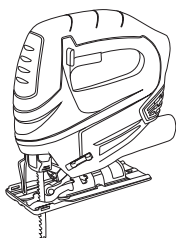
CORDLESS SCREWDRIVER



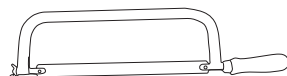
SHEET METAL PROFILE PLIERS



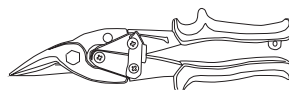
ELECTRIC JIGSAW



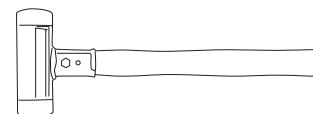
HACKSAW



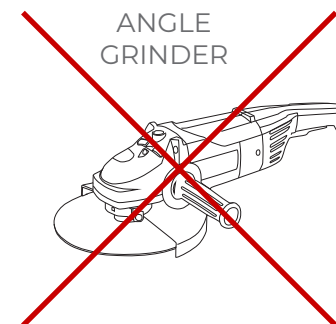
SHEET METAL SHEARS



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.