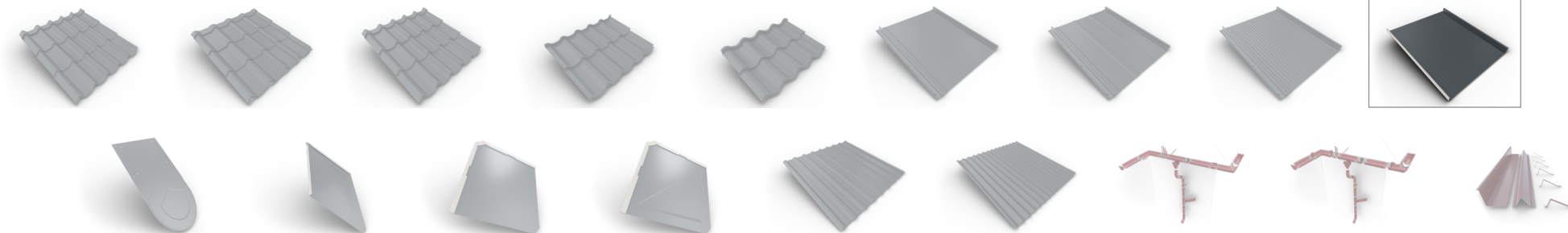


Professional ——— Standing Seam Metal

BELPROFILE Standing Seam Metal

Premium folded sheet metal roofing solutions ensure a long service life and a special aesthetic appearance.

- Puncture-free cover.
- Can cover surfaces with various shapes (round, circular with angle changes).
- Provides the ability to create panels with variable widths.
- The panels can be profiled in a conical shape, being able to roll on the roof radius.
- Stable at temperature variations, they take over and compensate for the play of the structure.
- Mounting from 3.5° slopes to vertical position.
- Increased tightness due to the double fold.

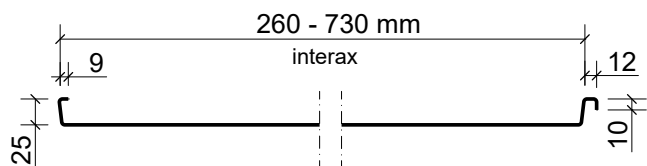




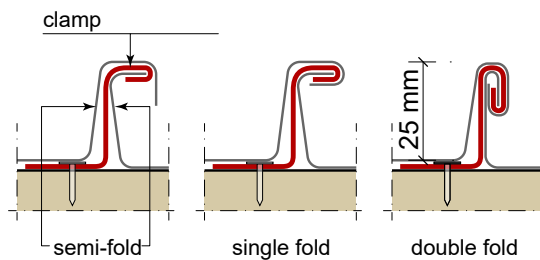
BELPROFILE

ONE ROOF. MORE GENERATIONS

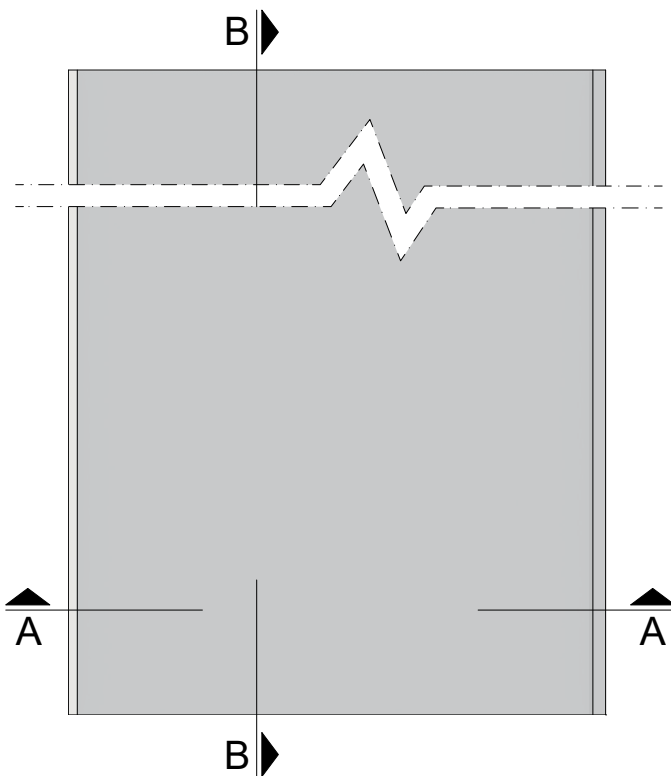
Professional ——— **BELPROFILE** Standing Seam Metal



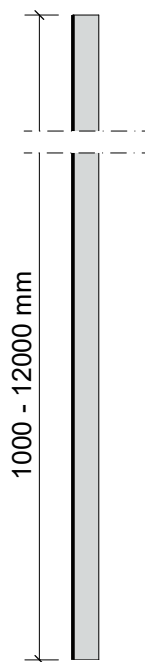
A-A Section



Joint details



Plan view

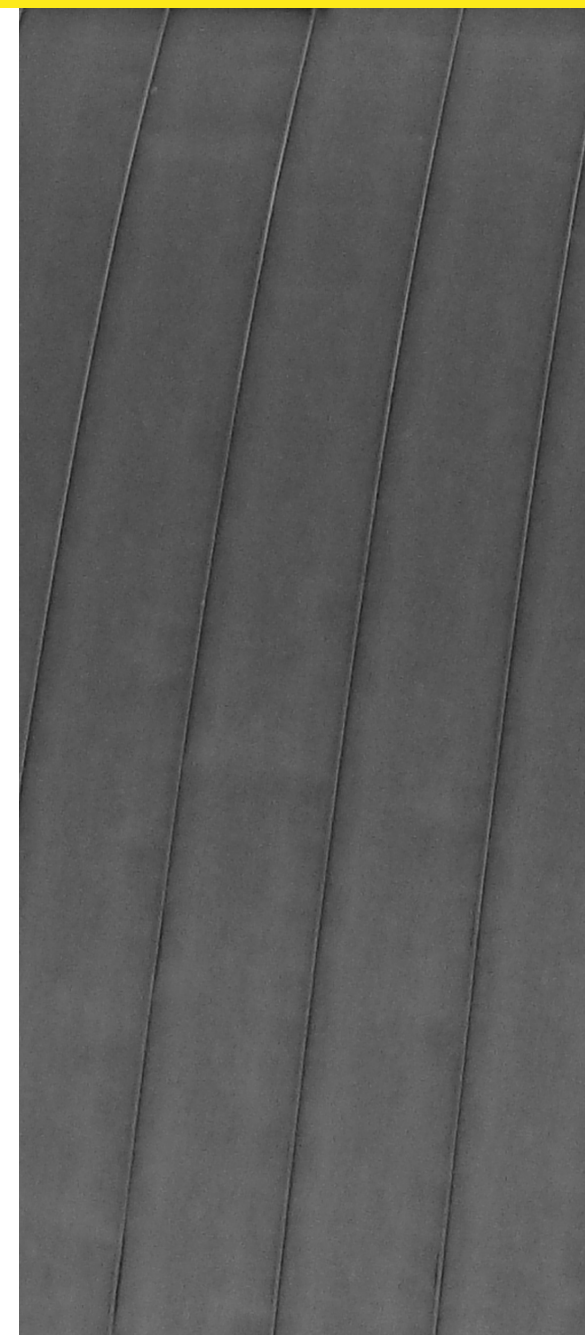


B-B Section

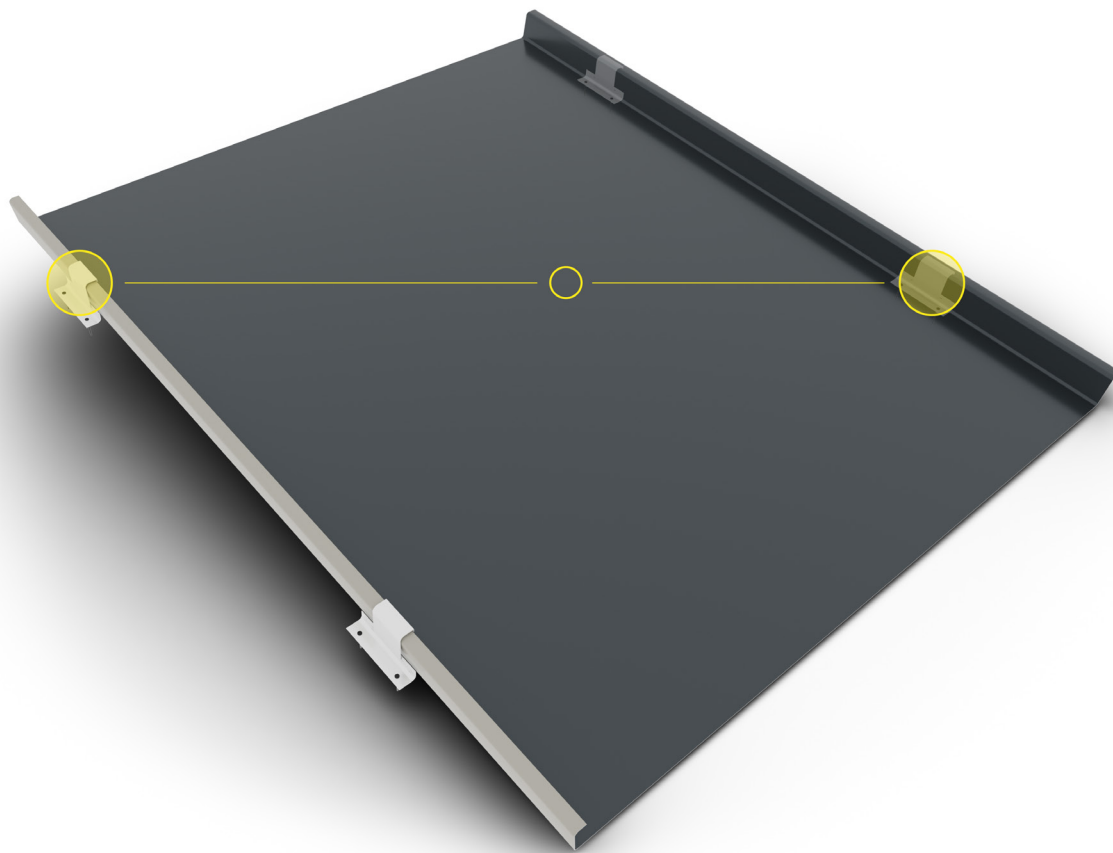
Total width interax
260 - 730 mm

Profile depth
0 mm

Minimum mounting
slope
7°



ADVANTAGES



Hidden mechanical fixing by clamps, without perforating the sheet.

pre-painted hot-dip galvanized steel

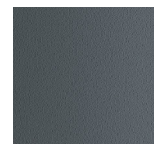
 thickness **0,50 mm**

finish	warranty	weight	Zinc Magnesium protection layer	protective paint layer
Pladur® Wrinkle Mat by Thyssenkrupp	30 years	4 kg/m²	130 g/m²	Polyester (SP) 35 µm

Thyssenkrupp Pladur® Wrinkle provides outstanding corrosion protection, being highly resistant to wear, UV radiation, temperature, and dirt.



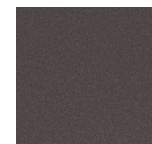
RAL 3009



RAL 7016



RAL 7043



RAL 8019



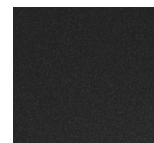
RAL 9005

Pladur® Relief Icecrystal by Thyssenkrupp	40 years	4 kg/m²	130 g/m²	Polyester (SP) 36 µm
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Thyssenkrupp Pladur® IceCrystal is defined by the patented design based on natural ice crystals and outperforms regarding the UV resistance, resistance to mechanical stress, the duration of protection against corrosion, as well as the material and visual properties of the surface texture.



RAL 7016



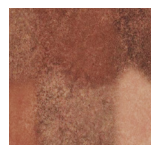
RAL 9005

pre-painted hot-dip galvanized steel

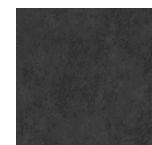
 thickness **0,50 mm**

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.

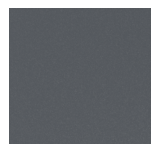

 Spanish
ANDALUSIA

 Spanish
GRANADA

STONE GRAY

METAL GRAY

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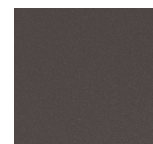
Special paint applied in 7 layers, each having a role in protecting the sheet over time, has the texture of sand pebbles that gives superior hardness and resistance, ensures increased thermal comfort during the summer.



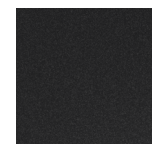
RAL 7024



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

pre-painted hot-dip galvanized steel

 thickness **0,55 mm**

finish	warranty	weight	Zinc protection layer	protective paint layer
MagneZinc	30 years	4,3 kg/m²	120 g/m²	-

Provides additional protection, being three times more resistant to corrosion as compared to zinc-coated steel.

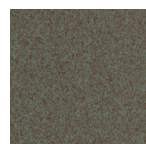


Natur

 thickness **0,60 mm**

PrinTech	30 years	4,4 kg/m²	275 g/m²	HDP 35 + 15 µm
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The best-performing sheet-metal coating product, it is applied in 10 layers and offers the longest lifespan.



Weathered



Korten


 HairLine
Copper

RainDrop	30 years	4,4 kg/m²	275 g/m²	HBPE 35 + 35 µm
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Super-polyester coating, with greater color stability in time and enhanced scratch resistance.



RAL 3005



RAL 3009



RAL 3011



RAL 7016



RAL 7024



RAL 8004



RAL 8017



RAL 8019



RAL 9005



RAL 9010

aluminum

 thickness **0,70 mm**

finish	warranty	weight	Zinc protection layer	protective paint layer
SunClear	40 years	1,9 kg/m²	-	25 µm

Glossy polyester paint, the traditional version of protection for metal products.



RAL 7016

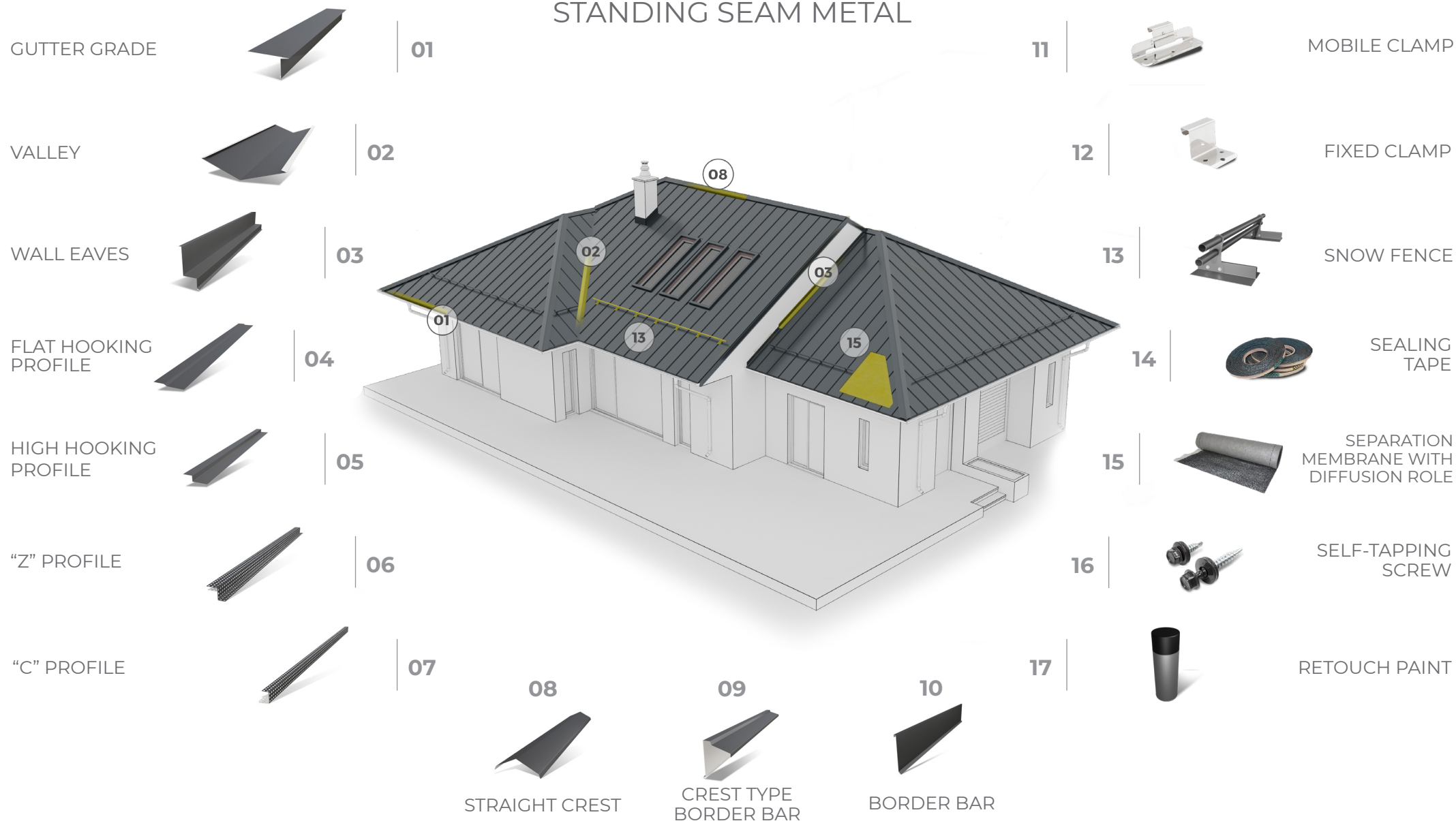


RAL 8019



RAL 9010

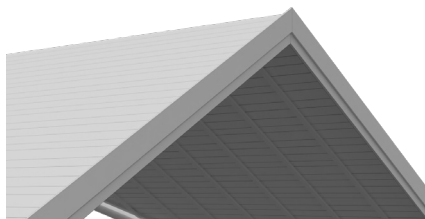
ACCESSORIES STANDING SEAM METAL



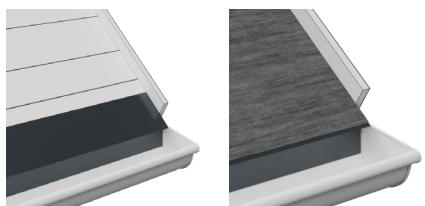
STANDING SEAM METAL INSTALATION PRINCIPLES

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

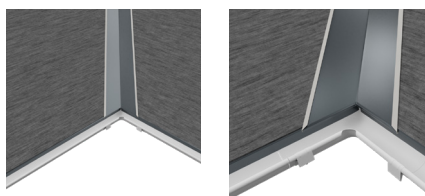
- 01 ROOF STRUCTURE**
 The minimum slope is 5° when using the double-fold joint and 25° for single-fold joints. For the decking, a dry plank of unpainted, unfolded mold wood is used.
 The thickness of the boards is 24 mm and their width can vary between 80 and 140 mm.



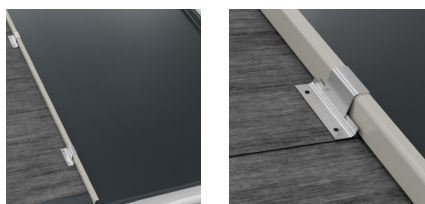
- 02 THE SEPARATION MEMBRANE WITH DIFFUSION LAYER**
 It is mounted on the deck and over the gutter apron and has the role of preventing direct contact of the sheet metal panels with the diffusion foil, which can be wet due to condensation.



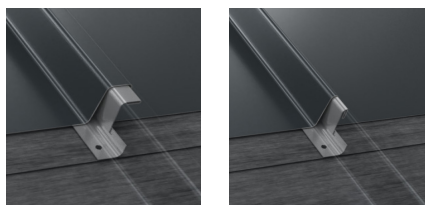
- 03 THE VALLEY**
 It is fixed with clamps, its drilling is forbidden. It is mounted at the intersection of two sides of the roof.



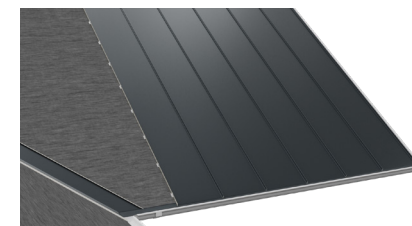
- 04 FIXED / MOBILE CLAMPS**
 The fixed clamps prevent the sheet metal from slipping. The mobile clamps allow the expansion and longitudinal contraction of the sheet metal, their use being mandatory in the case of sheet metal with lengths longer than 3 meters.



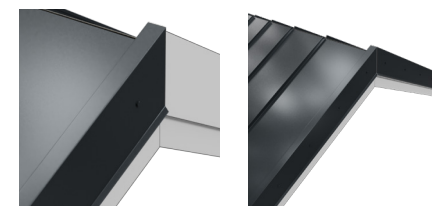
- 05 FOLDING**
 The single fold is used for roofs with a slope of at least 25° and the double fold is used for roofs with a slope of at least 5°. The folds of the pre-profiled strips can be closed with the help of special pliers or a folding machine.



- 06 MOUNTING THE STANDING SEAM METAL**
 It will be done starting from the eaves to the ridge, from right to left. Before mounting the roofs, a check of the roof geometry will be made.



- 07 RIDGE ANGLE**
 It is used to close the side of the roof.



- 08 HIGH HOOKING PROFILE**
 It is used to mount ridges, on either side of them. Its assembly on panels is done mechanically with the help of pop-rivets, using double-sided butyl tape that acts as a gasket. The ridge will be fixed in this profile without directly piercing the panel.

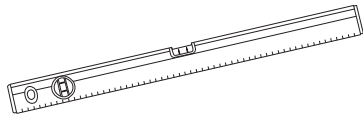


- 09 STRAIGHT RIDGE**
 It is mounted over the high hooking profile.

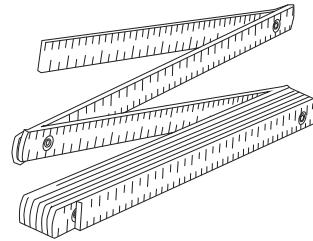


MINIMUM SET OF TOOLS REQUIRED FOR ASSEMBLY

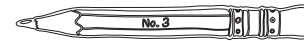
SPIRIT LEVEL



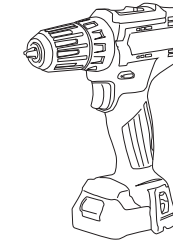
METER



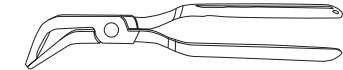
CARPENTRY PENCIL



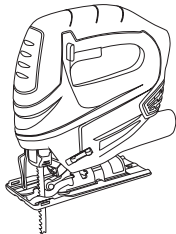
CORDLESS SCREWDRIVER



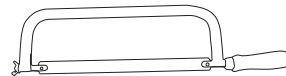
SHEET METAL PROFILE PLIERS



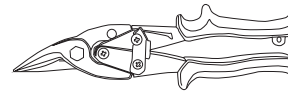
ELECTRIC JIGSAW



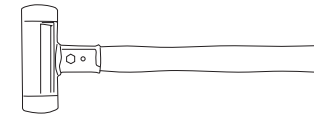
HACKSAW



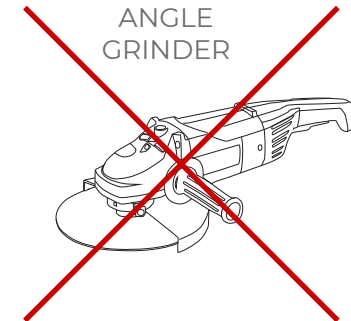
SHEET METAL SHEARS



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°.

Profiled sheet metal handling

To lift the profiled sheet metal 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.