



TS.03 TILE

TS.03 TILE

*"Details make perfection, and
perfection is not a detail."*

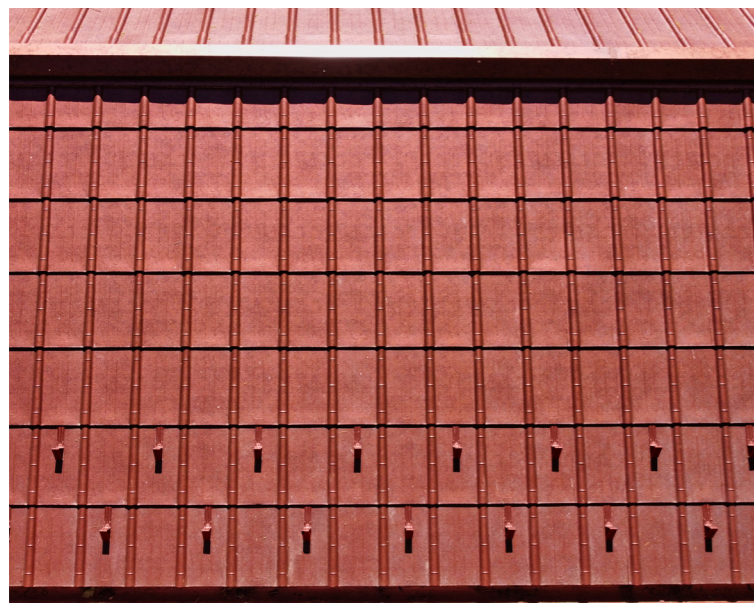
(Leonardo da Vinci)



The advantages

In response to growing market demand, Mazzonetto S.p.A. proudly presents a metal roofing system inspired by the timeless shape of traditional roof tiles, refined through meticulous attention to every detail.

This is how TS.03 was created: an innovative metal tile solution that perfectly combines aesthetics, durability and performance.



TS.03, the tile designed for fast installation

Thanks to its revolutionary format, only three elements are needed to cover one square meter. This makes installation extremely fast, setting a new benchmark in terms of laying efficiency.

TS.03, the stronger tile

No compromises are made when it comes to the metal quality. TS.03 is manufactured using embossed Vestis aluminium with a real thickness of 0.70 mm.

All raised sections have been reinforced with special ribs, making TS.03 stronger, more stable and highly resistant to deformation.

TS.03, the tile that breathes

The system includes a ventilation element designed to fit between the individual modules, allowing air to escape without affecting the appearance of the building. It can be used for air outlets or for creating efficient roof ventilation system.

TS.03, the tile that was missing

An advanced tile born from tradition, combining timeless beauty with meticulous attention to detail — the result of the expertise of metal craftsmen, the research of our technicians, and a constant drive for improvement.



◀ TS.03 TILE - vestis® Copper Roof

TS.03 TILE - vestis® RAL 7016 3D ▶



Vestis® is the Mazzonetto line made of prepainted aluminium. Lightweight, corrosion resistant and versatile: these are the main features making aluminium the material of the future.

Vestis® is the brand standing out for the quality of its paints that are: suitable in the harshest environments, resistant to ageing and UV rays, at high altitudes and near coastal areas alike. No limits to designers' creativity thanks to different colour and surface options, both smooth and structured.

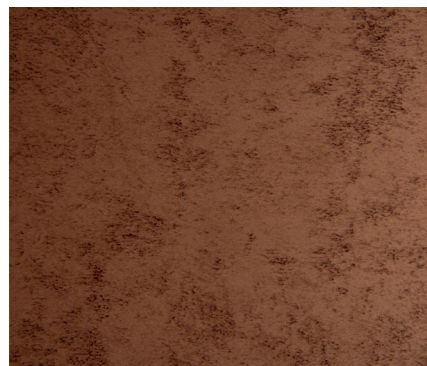


SPECIFICATIONS	
Density	2.70 kg/dm ³
Metal base	H41
Alloy type	Series 3005
Thermal expansion coefficient	0.023 $\frac{\text{mm}}{\text{m}^{\circ}\text{C}}$
Fire resistance class	A1
Surface pencil hardness	H
Crack formation during bending	≤ 1,5T free of cracks
Adhesion after bending	≤ 1T peel adhesion

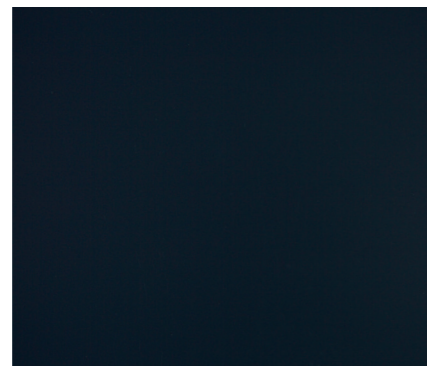
EXTERNAL ENVIROMENTAL CONDITIONS	
RURAL	40 Year Warranty
URBAN/ INDUSTRIAL (moderate pollution)	40 Year Warranty
INDUSTRIAL (severe pollution)	20 Year Warranty
MARINE (>3 km)	40 Year Warranty
MARINE (3 km > 1 km)	20 Year Warranty
STRONG UV RAYS (over 900 m altitude)	40 Year Warranty

TS.03 TILE - vestis® RAL 7016 3D





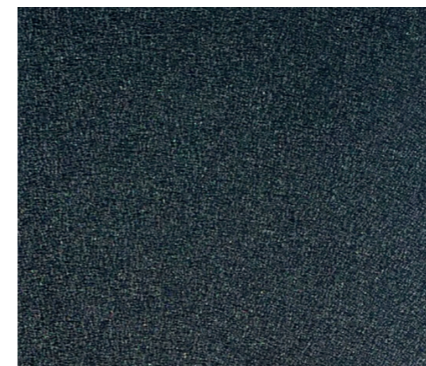
COPPER ROOF



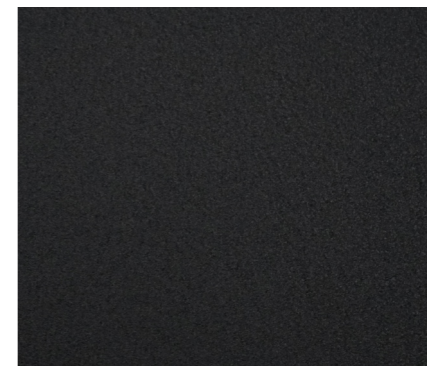
RAL 7016



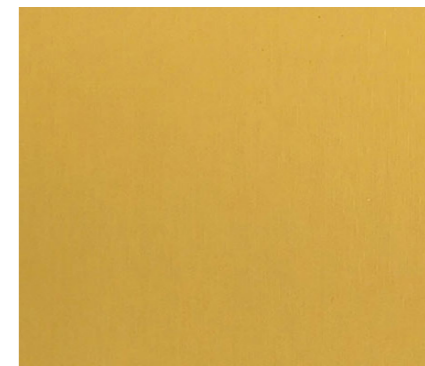
RAL 7037



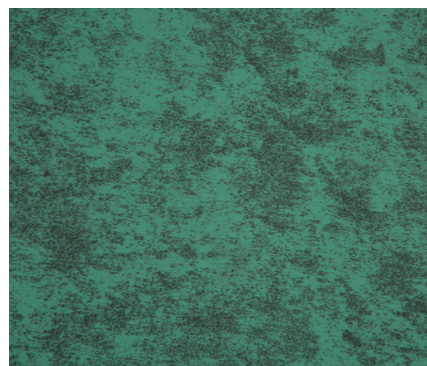
RAL 7016 3D



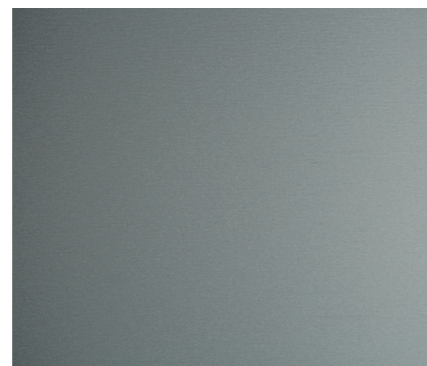
RAL 9005 3D



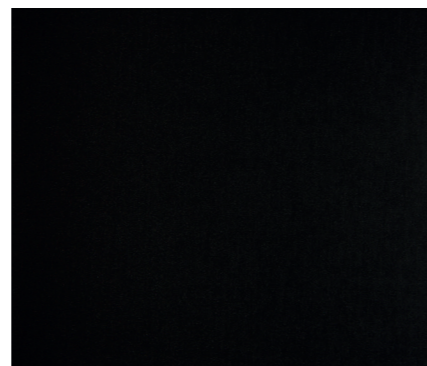
GOLD



GREEN ROOF



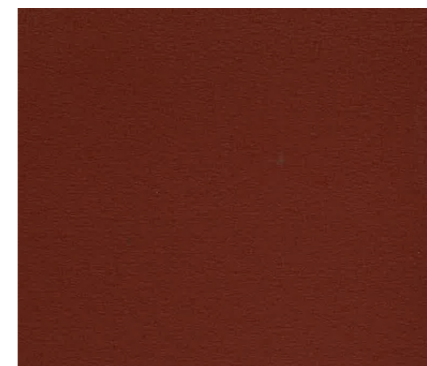
RAL 9006



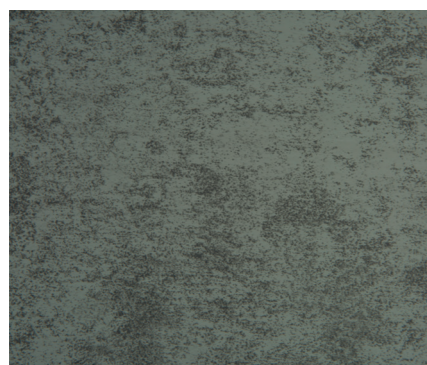
GRAPHITE BLACK



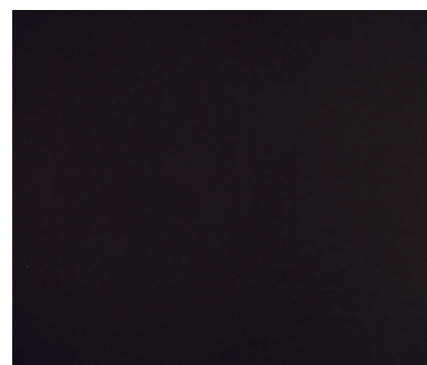
RAL 7037 3D



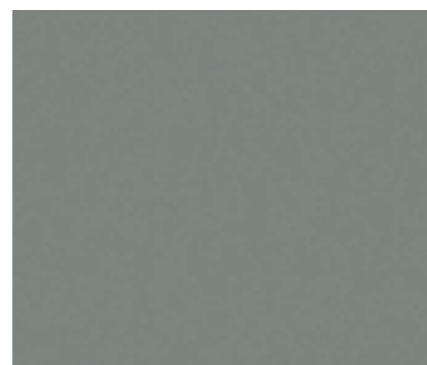
RAL 3009 3D



GREY ROOF



TESTA DI MORO



AGATE GREY



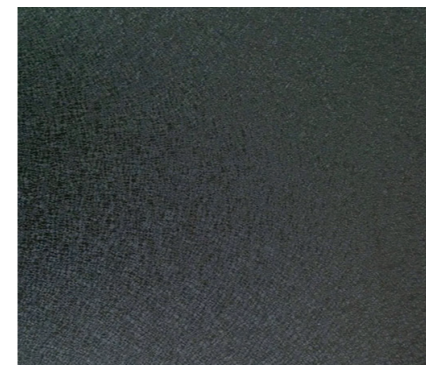
DOLOMITES GREY 3D



RAL 9010



SLATE GREY



TESTA DI MORO 3D



RAL 9005



CORTEX 3D

Roof tile system

TS.03 TILE

The TS.03 roof tile cladding system consists in the assembly of modular elements with the help of indirect fixings.

Use

Roofing

Minimum slope

20%

Laying surface

Raw fir wood boards
cross-sect. 100 mm x 25 mm

Metals

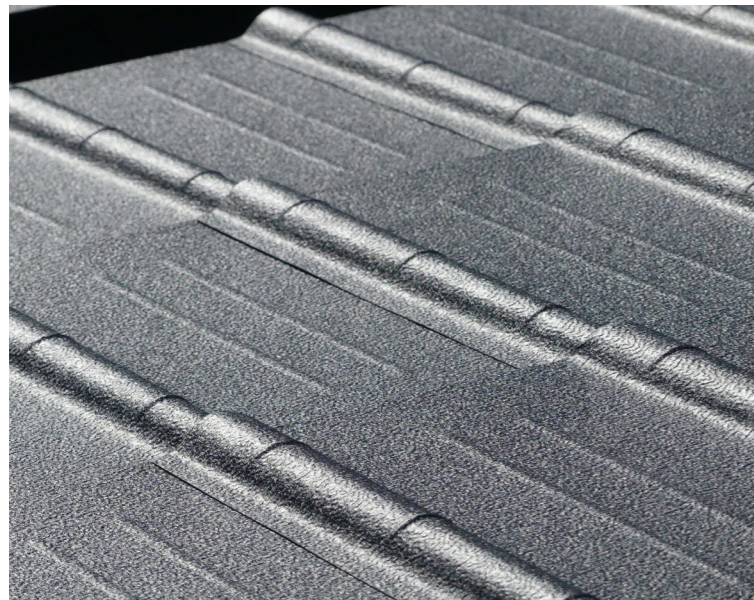
Vestis®

Size

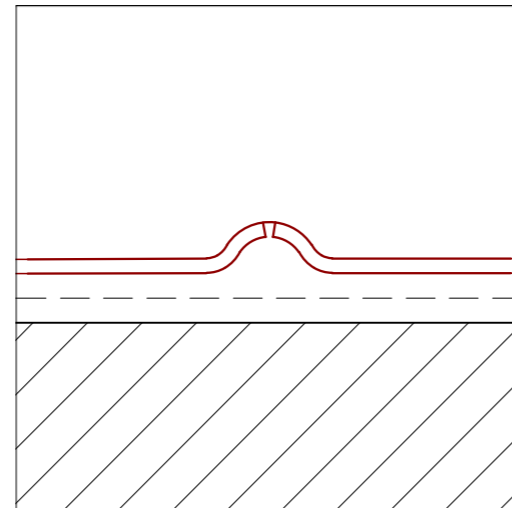
800 mm x 420 mm

Pieces per sq.m

3 pcs



TS.03



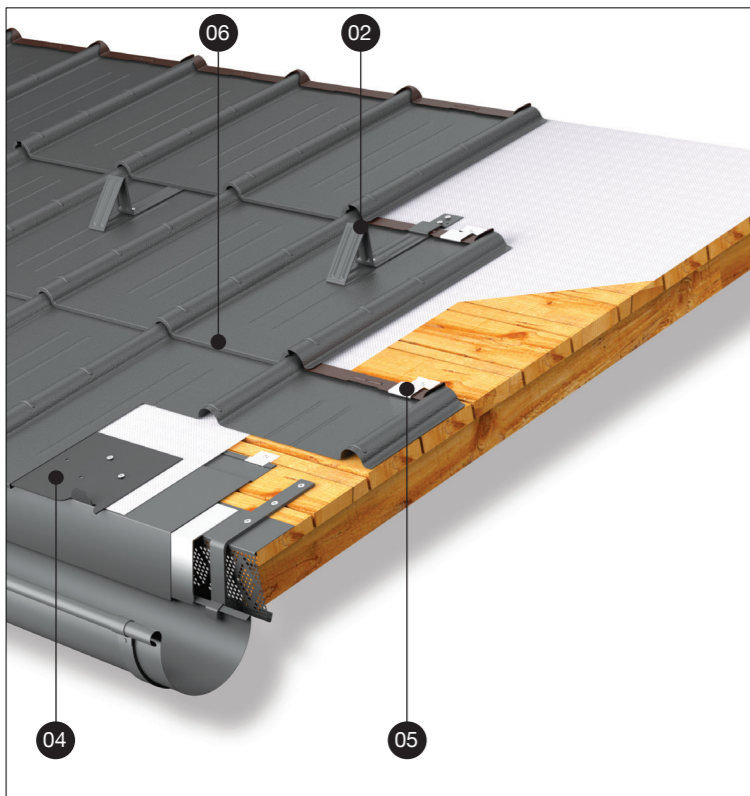
TS.03 TILE - vestis® RAL 7016 3D



Roof tile system

TS.03 Roof Tile

Aluminium roof tiles from the TS.03 family are designed for easier and remarkably quicker installation. Their distinctive feature is the size: three roof tiles are enough to fully cover an area of one square metre.



01 Outside vent

These are special elements that offer an effective aesthetic solution to some practical needs arising when building a roof, without jeopardising the waterproofing properties of the roof. They can be used to release vents, for small projecting parts or for ventilation on angled pitched roofs in place of a continuous ventilated ridge.

02 Snow guard

Aluminium elements in the same colour as the roof material, the snow guards are designed for boltless installation between two consecutive rows of roof tiles. These devices are intended to hold the snowpack from falling down.

03 Ridge

The ventilated ridge of the "The Skin" system stands out for its high performances and user-friendly installation. It is designed for quick air release and to stop the rain, including in extreme weather events, thanks to its peculiar shape. The ridge is suitable for walking on it; it is coated with the same metal and comes in the same colour as the roof; it is mounted on the galvanised steel structure in boltless configuration, i.e. without any direct fixing system.

04 Start profile

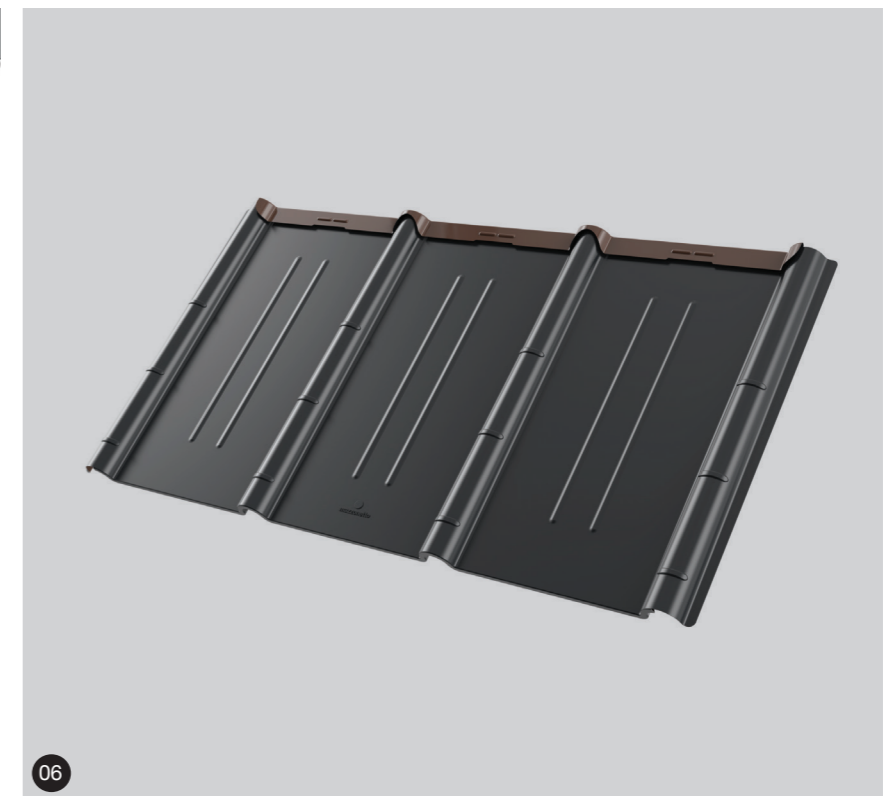
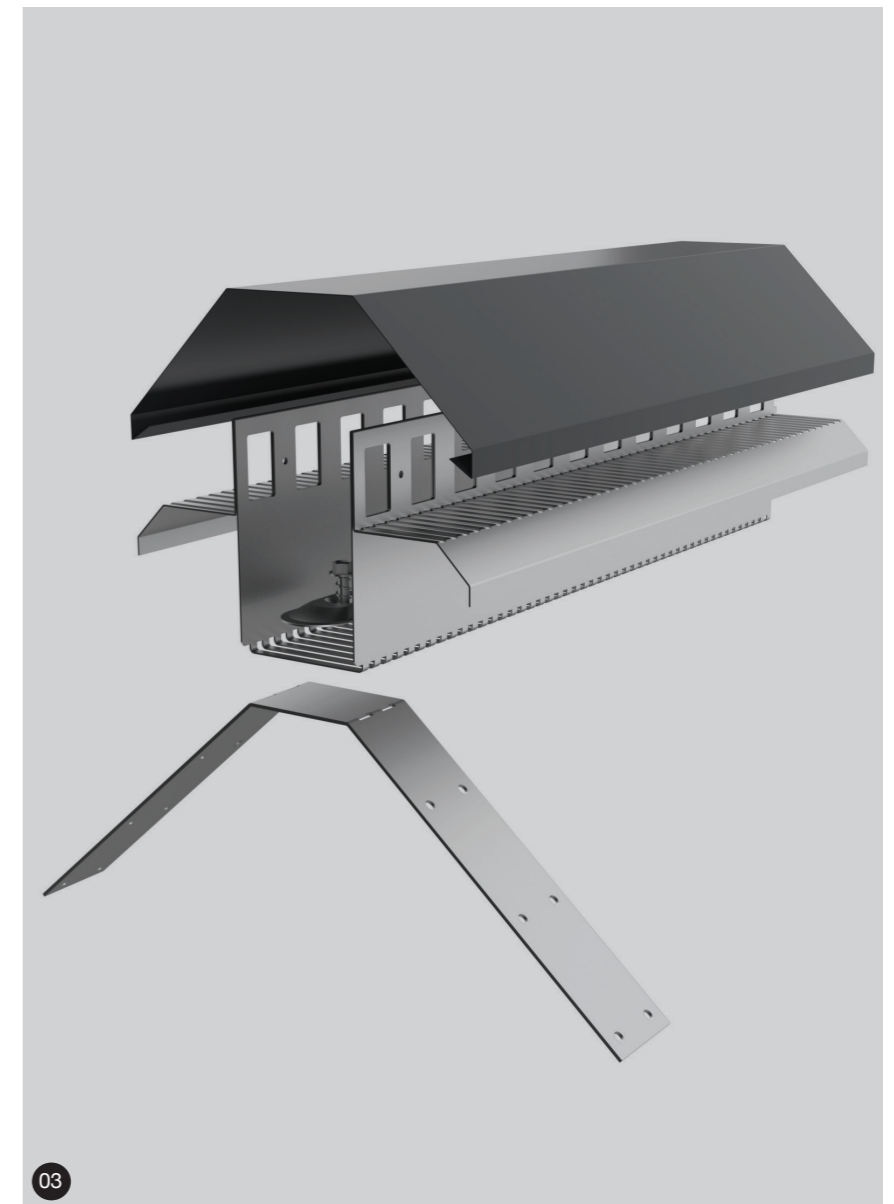
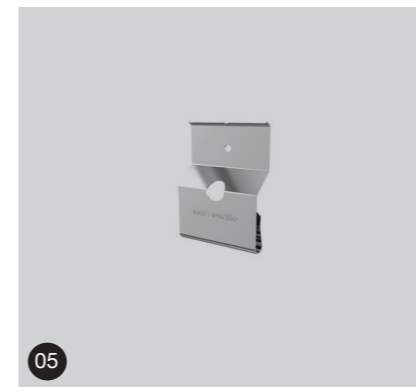
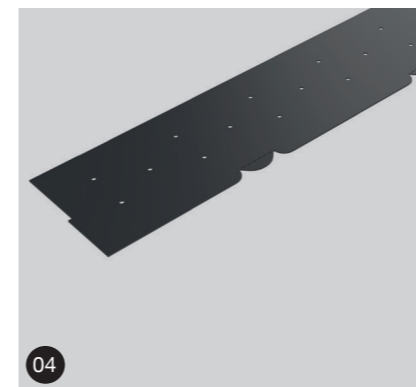
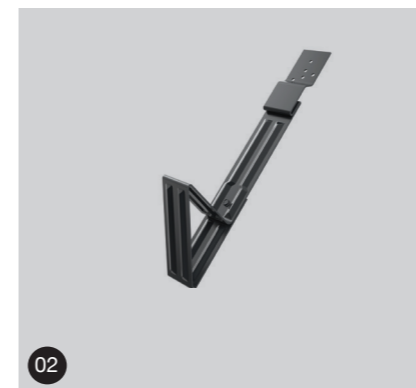
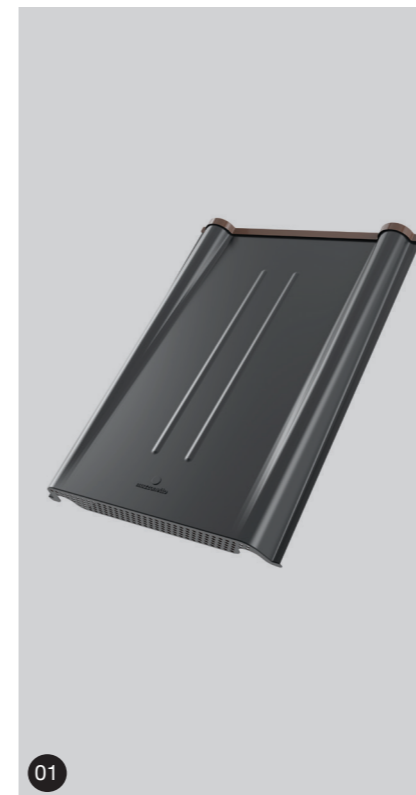
These special elements made of 1.5 mm thick aluminium help hook up the first row of roof tiles and align them along the eave line, thus providing for resistance even in presence of strong upward loads. They have been designed to wedge in the roof tile and close all possible openings in order to prevent the ingress of animals and insects.

05 Anchoring clips

The TS.03 roof tile system is anchored to the laying surface using these special indirect fixing clips. The anchoring clips are made of 0.6 mm thick stainless steel so that the system resistance is ensured even in presence of extremely intense weather events.

06 TS.03 Roof Tile

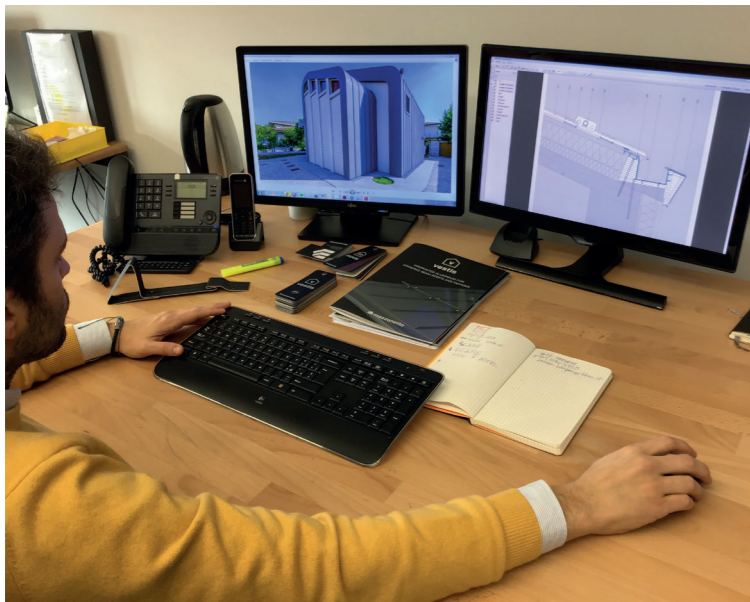
The aluminium roof tiles of the TS.03 system stand out for their lightweight, durability and strength compared to traditional systems, which is the secret for their extremely high quality standards. The new TS.03 roof tile - only three tiles to cover one square metre - offers the building industry an item of contemporary design that opens up new expression options for architectural design.



Support to design

In the past few years the design of the building envelope has taken a more crucial role in the building process, which is confirmed by a multitude of technological innovations popping up, the cross-disciplinary application of the materials concerned, and, last but not least, the amendments to the existing legislation.

We cannot but pay thorough attention to each and every element that will eventually make up the skin of buildings.



Feasibility study

Our technicians carry out a preliminary study to identify any potential critical issues related to the selected application technique and the required metal.

Roof pitch, substructure, compatibility between the materials used and the overall build-up are assessed in order to ensure maximum performance and long-term durability.

Development of the cladding layout

For each project, a customised layout is prepared. In addition to defining the cladding pattern, it specifies all the components required for its installation: from the type of fixings to be used, to the positioning of snow protection systems, through to the description of all elements that make up the complete system. This is an important tool for both quotation and installation purposes, and becomes the reference project for all future interventions throughout the service life of the building.

Snow protection system verification

The TS.03 tile system is designed to be calculated, leaving nothing to improvised solutions.

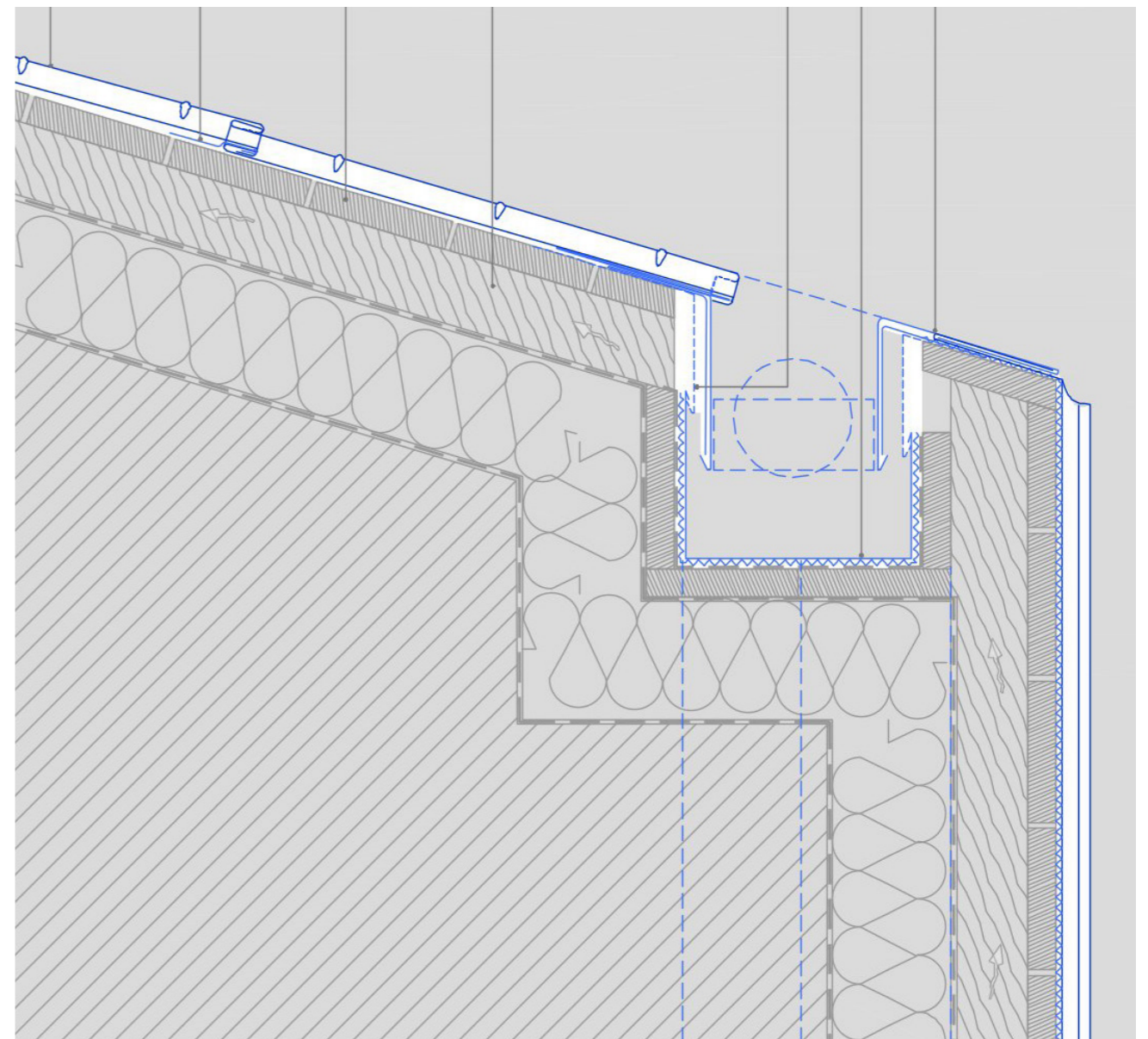
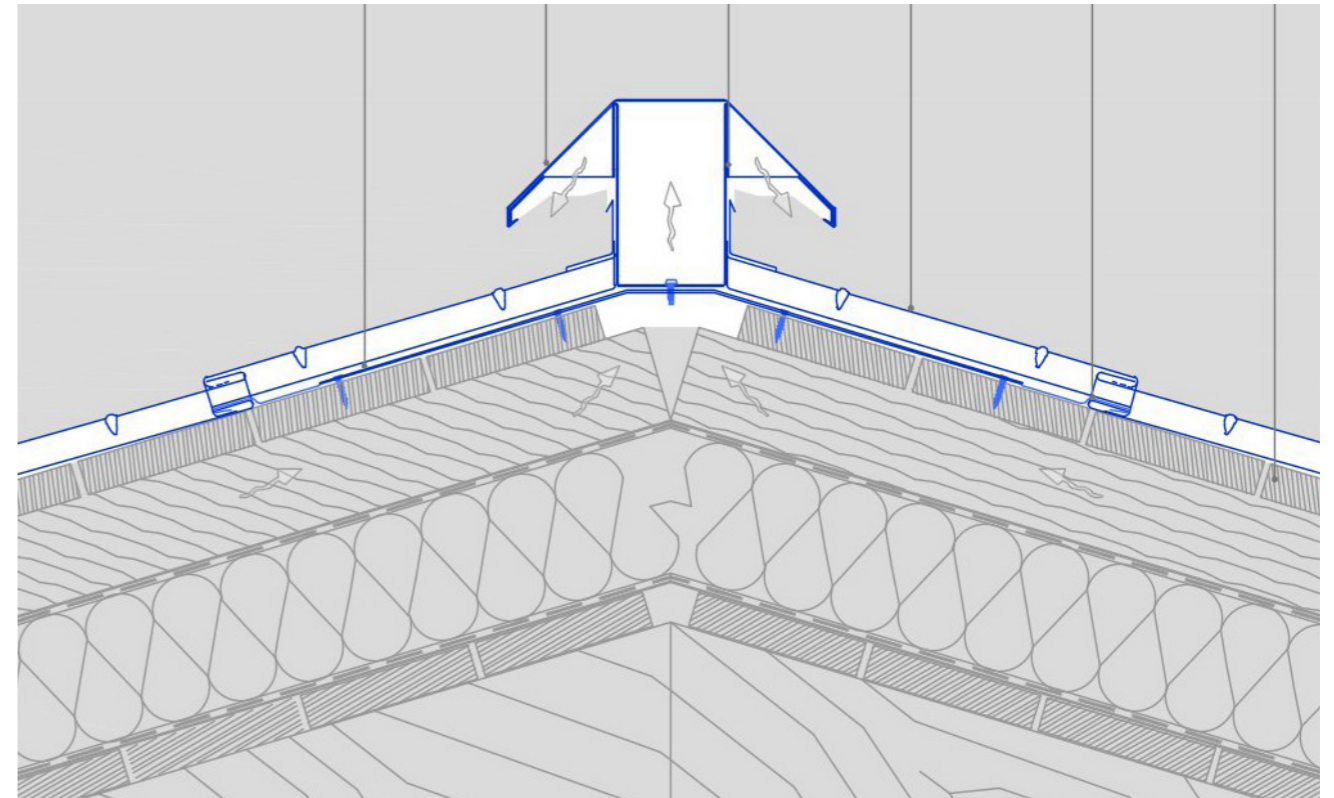
Snow protection systems are also always verified according to the type of cladding, the geographical area and the geometry of each individual roof slope.

Study of the main architectural details

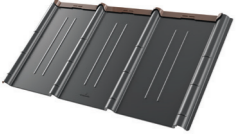

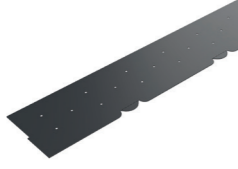
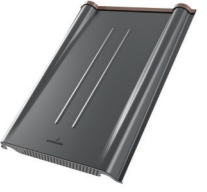
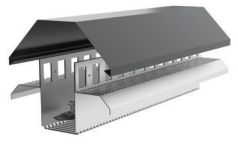

It is often necessary to technically interpret the designer's architectural requirements.

For this reason, the technicians of Mazzonetto's **Cladding Technical Department** provide their experience to analyse the architectural connection details between the cladding and the perimeter sheet metal elements, such as:

- ventilated ridges;
- built-in gutters;
- valleys;
- hips.






TS.03 roof tile system components

		TESTA DI MORO	RAL 7016	RAL 7037	RAL 9005	RAL 9006	RAL 9010	TESTA DI MORO 3D	RAL 7016 3D	RAL 7037 3D	RAL 9005 3D	RAL 3009 3D	CORTEX 3D	DOLOMITES GREY 3D	GRAPHITE BLACK	SLATE GREY	AGATE GREY	COPPER ROOF	GREEN ROOF	GREY ROOF	GOLD	
	TS.03 ROOF TILE	○	●	●	○	○	○	○	●	●	○		●	●	○	○	○	●	○	○	○	
	SNOW GUARD FOR TS.03 ROOF TILE, TH. 1.50 mm								●	●			●	●								
	VESTIS® ALUMINIUM START PROFILE RAL 7016 3D, TH. 1.50 mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	TS.03 ROOF TILE OUTSIDE VENT		●	●					●	●			●	●				●				
	VENTILATED RIDGE (GALVANISED STEEL)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	INDIRECT ANCHORING CLIPS (STAINLESS STEEL)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● IN STOCK ● TO BE ORDERED ○ ORDER ABOVE 300 SQ.M

TS.03 roof tile system components

		TESTA DI MORO	RAL 7016	RAL 7037	RAL 9005	RAL 9006	RAL 9010	TESTA DI MORO 3D	RAL 7016 3D	RAL 7037 3D	RAL 9005 3D	RAL 3009 3D	CORTEX 3D	DOLOMITES GREY 3D	GRAPHITE BLACK	SLATE GREY	AGATE GREY	COPPER ROOF	GREEN ROOF	GREY ROOF	GOLD	
	TOUCH-UP COLOUR	●	●	●					●	●			●	●	●	●	●	●	●	●	●	●
	GALVANISED TAPED SCREWS 4 X 25 mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	ST. STEEL TAPED SCREWS 4 X 25 mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

CATALOGUE DRAWN UP BY
Mazzonetto Technical Area

PICTURE
Daniele Furlanetto

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