

La Escandella
ROOFING THE WORLD

VERTICAL ROOF



Ceramic solutions
for facades.



Slate Klinker Visum3 Roof Tile



MAXIMUM ENERGY EFFICIENCY
within the building envelope.



Discover the advantages of **VERTICALROOF**, for renovation or new construction..

VERTICALROOF BENEFITS



PASSIVHAUS

- Reduction of energy costs
- Increased thermal and acoustic comfort
- Elimination of condensation and building impermeability
- Passive ventilation
- Double wall



ROOF TILES SPECIFICATIONS

- High mechanical strength
- Fireproof
- Frost resistant
- Resistant to the passage of time
- Self-cleaning by rainwater
- Can be cleaned with a pressure water
- No maintenance costs
- 100% recyclable material



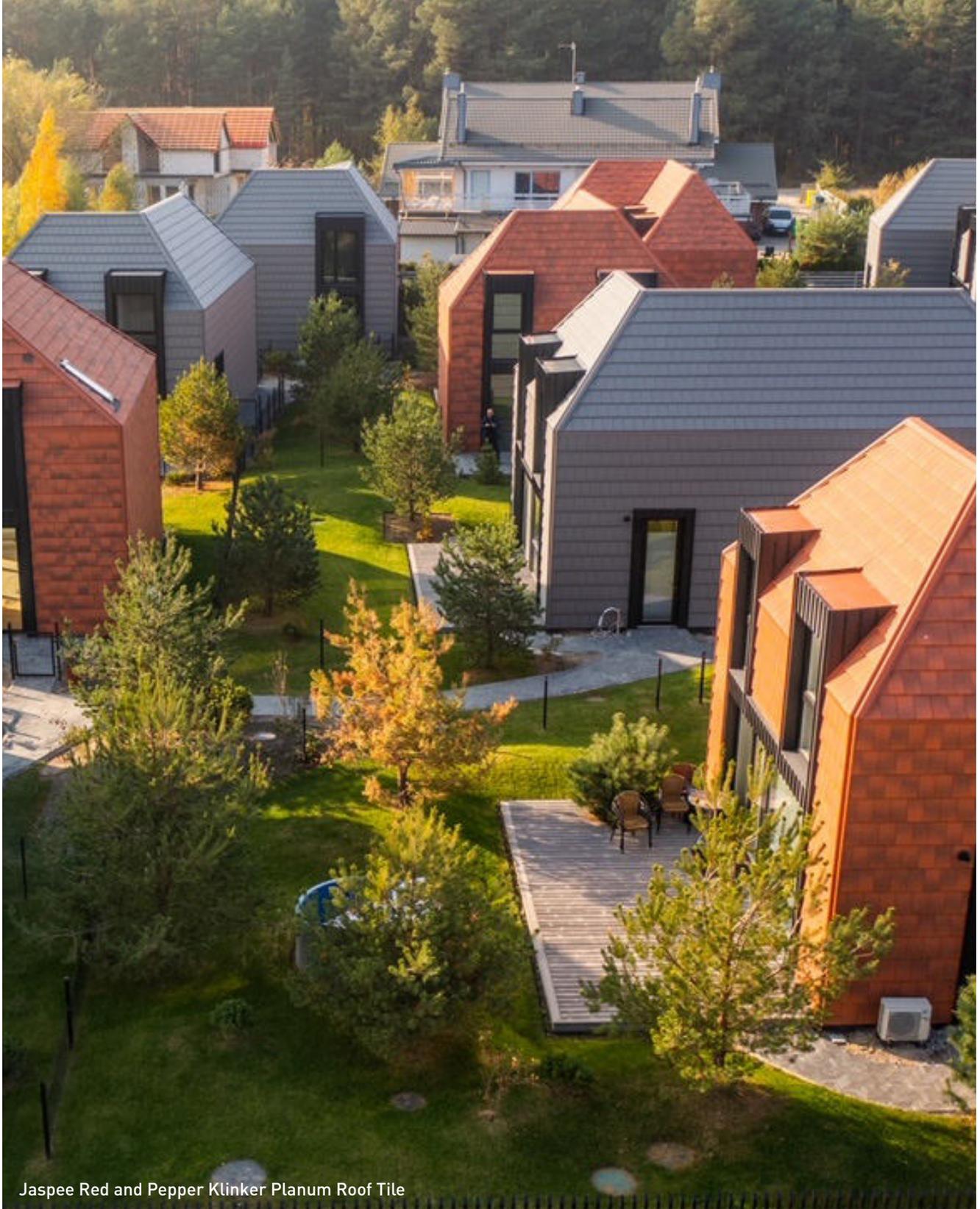
RENOVATION

- Direct application
- No waste or debris generated
- Replaceable system piece by piece
- Hidden pipes
- Hidden cracks and crevices
- Adds value to the property



LONG-LIVED ROOF TILES

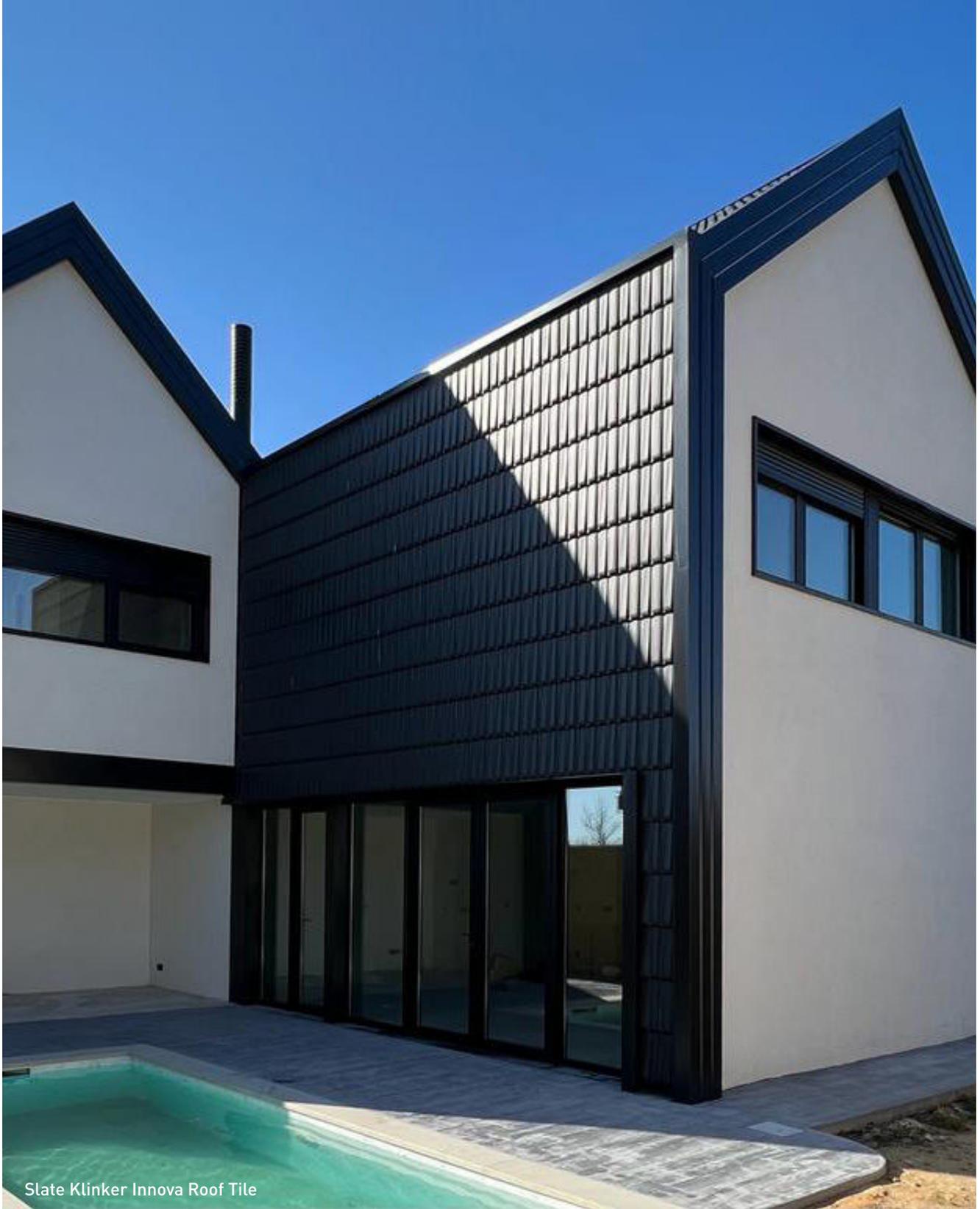
- Colourfast over time
- Interlocks with a double lace giving greater security
- Self-cleaning by rainwater
- 100 years warranty



Jaspee Red and Pepper Klinker Planum Roof Tile

SUSTAINABILITY

NATURAL AND ECOLOGICAL MATERIALS



Slate Klinker Innova Roof Tile



CLAY SOLUTIONS FOR FACADES

At La Escandella, we are committed to constant innovation and sustainability, and we also pioneer construction solutions. Today, the products of La Escandella are present in many iconic sites worldwide that require roof tiles of the highest quality.

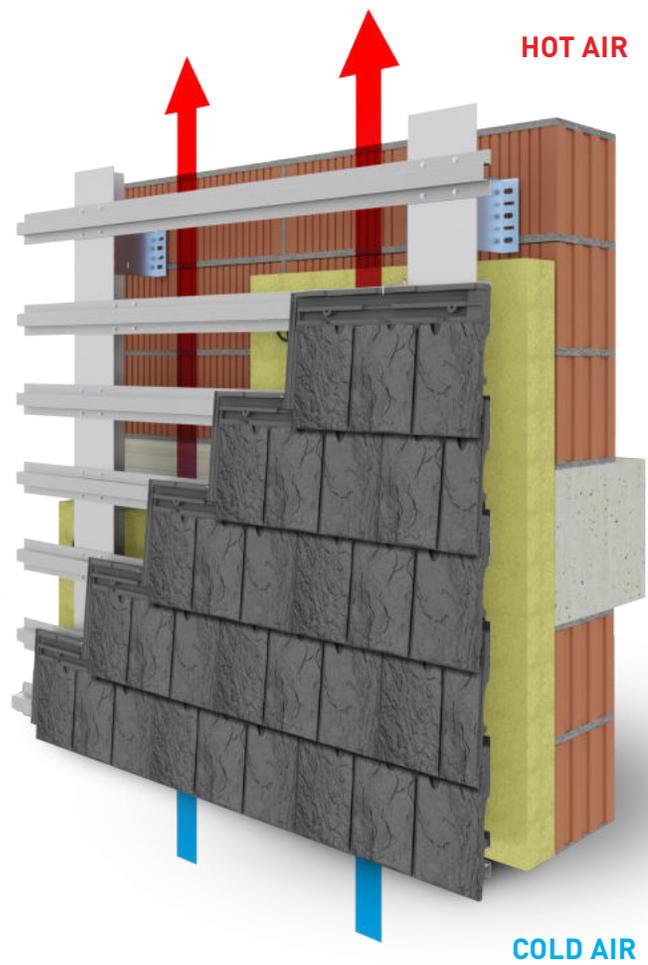
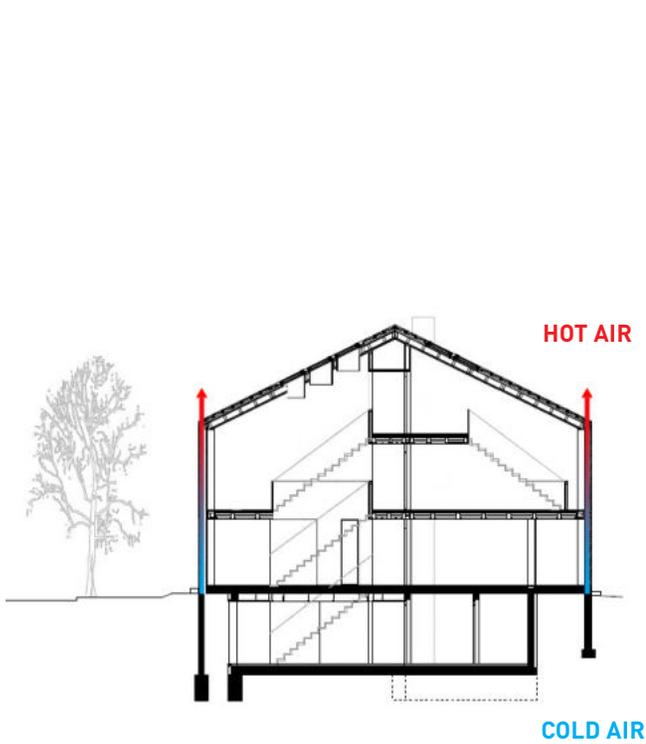
Our new ventilated facade system, Verticalroof, consists of a supporting wall, a layer of insulation and a covering material that is attached to the building with a supporting structure. Thanks to this structure, an air chamber is created between the bearing wall and the coating material. This chamber allows constant air circulation keeping it dry.

The facade is one of the exterior elements that most characterize a building for its design and aesthetics. At a technical level it is very important to execute this correctly as it affects energy efficiency.

The trend is to build in harmony with the environment, creating eco-efficient buildings. These are the results of installing a La Escandella VerticalRoof.

- ✓ Reduces thermal changes in winter and summer.
- ✓ Achieves energy efficiency certification with a rating A.
- ✓ Gives a healthy home, surrounded by natural materials.
- ✓ Reduction of external noise.
- ✓ Adds value to the project.

Insulating the building envelope, is the most efficient way to save energy.



The chimney effect of the ventilated facade is the response to heating of the outer layer. The air density changes relative to that of the exterior. This produces an upward movement of air by natural convection, thanks to differences in temperatures.



Near zero
energy projects.



INTEGRAL AESTHETIC

360° DESIGN THANKS TO THE ELONGATION OF THE COVER



Grey Klinker Planum Roof Tile





SELECTION

La Escandella

H-Selection is the result of applying modern manufacturing processes in H-Cassette to a selection of our products, endowing them with numerous functional and aesthetic advantages and benefits.

INNOVA



PLANUM



SELECTUM



VIENNA



VISUM3



High definition finish

A perfect definition finish on each piece, made with gypsum moulds, providing a much finer texture.



Excellent flatness

Individual curing of each tile thanks to support in H frames. Excellent flatness with no contact points.



Low absorption

Higher resistance to ice and mould formation.



Lifetime warranty

Our 100 years warranty ensures your peace of mind and demonstrates the quality of our manufacturing process.



Pepper Klinker Planum Roof Tile

VERTICALROOF

SYSTEM SUITABLE FOR ALL H-SELECTION CLAY ROOF TILES

LAYING SYSTEM

VerticalRoof laying step by step:

STEP 1 The system consists of Hilti aluminum anchors, brackets and profiles and is specifically designed for Visum3 klinker H-Selection roof tile cladding. It will include the appropriate fasteners for fixing. We recommend the installation of Rockwool panels (Vertirock Duo) for insulation.

STEP 2 The anchoring hooks are placed according to the diagram and the Visum3 roof tile is placed starting from the right-hand side of the façade until it is completed. Place the clips (CAM127 and CAM128) for anchoring the tiles and/or screws in the tile pre-fasteners on each of the tiles.

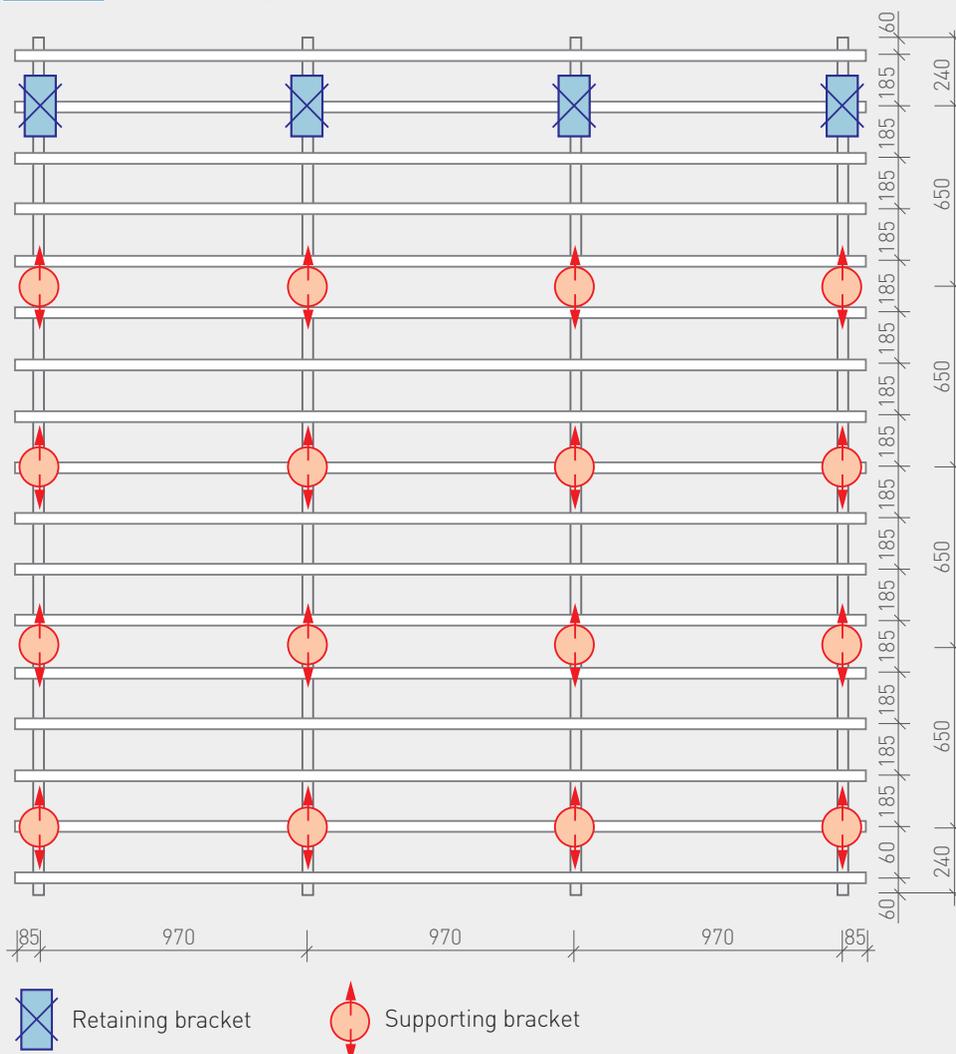
STEP 3 Next, the second façade starts with a half Visum3 roof tile (Q100*K). This creates a broken bond view and finish on the left side. The process should be repeated alternating steps 1 and 2 to complete the façade.

- Visum3 roof tile
- Q100*K Visum3 right half roof tile kl.
- First batten
- Aluminium profiles
- Retaining bracket
- Supporting bracket
- Insulation
- Head clip
- Lateral clip

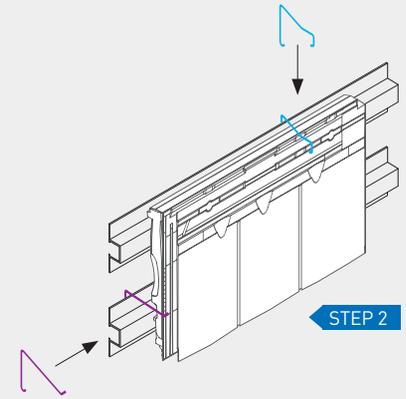
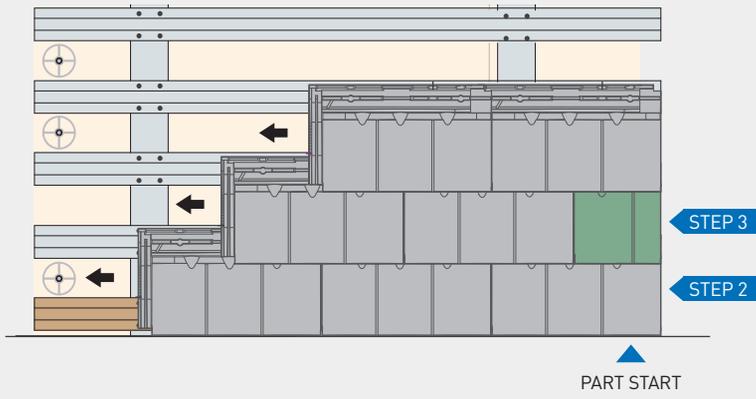
VerticalRoof system with Visum3 roof tile, tested by the laboratories of:



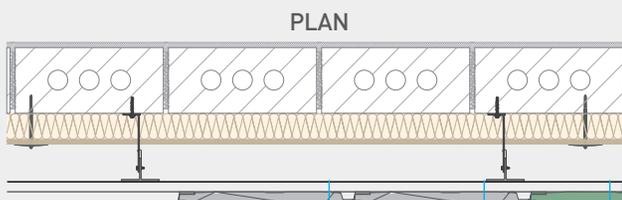
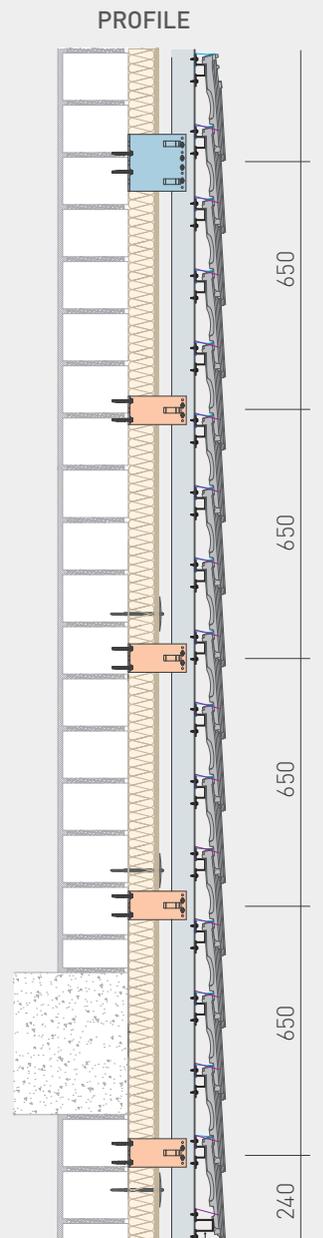
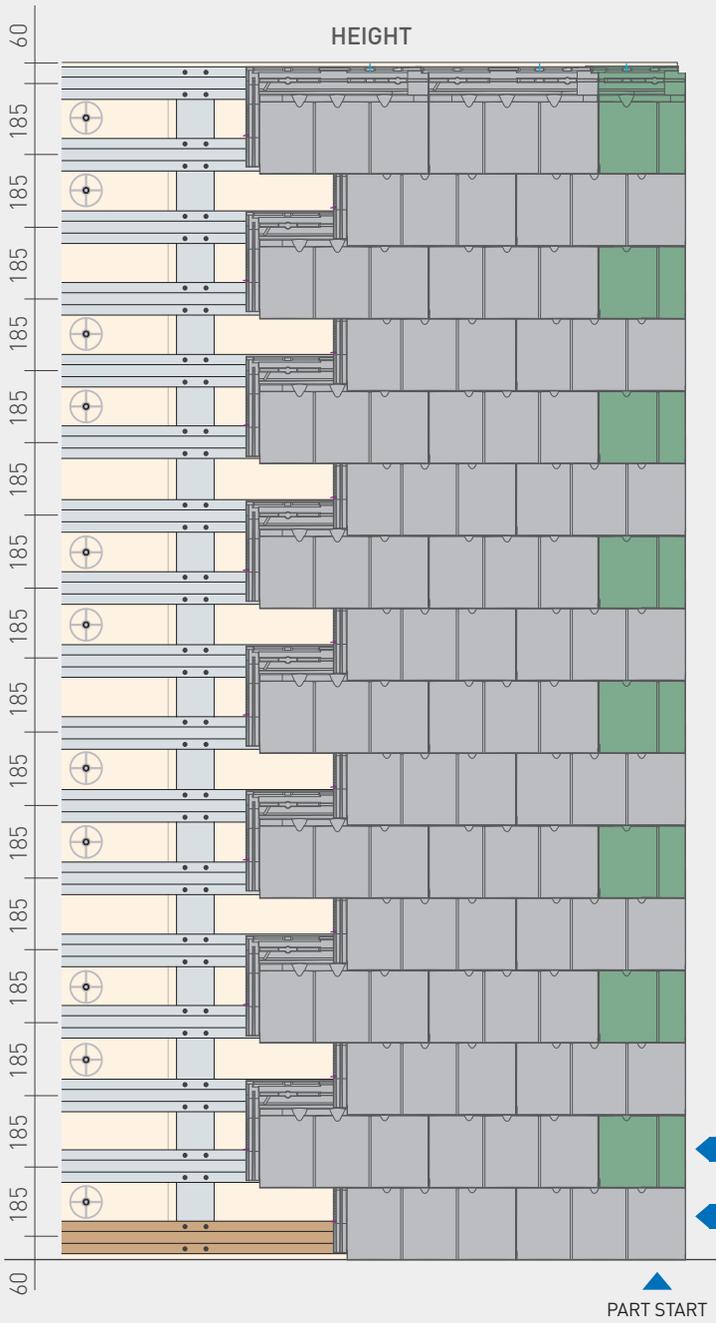
STEP 1 Example diagram for the placement of the brackets. Wall 3x3m



STEP 2 and 3 Start of parts placement



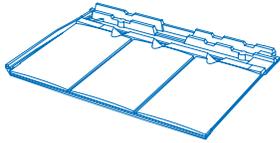
Placement of anchor hooks



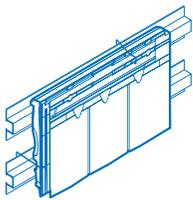
*The first batten should be 20 mm deeper than the following ones, to prevent the first line from pitching and to keep the façade uniform.

TECHNICAL CHARACTERISTICS

H-SELECTION ROOF TILES



Flexural Strength test (EN 538)	Resistance > 1200 N
Water Impermeability (EN 539-1)	Complies with level 1
Frost Resistance (EN 539-2)	Complies 150 cycles
Geometric Characteristics (EN 1024)	Flatness / Straightness \leq 1.5%
Reaction to fire (EN 13501-1)	A1 Broof. UNE EN 13501-1
Thermal conductivity	0.22w/m °k



VISUM3 SYSTEM (EAD 090062-00-0404)

Wind resistance	$Q \geq 4,000$ Pa
Load resistance of battens	Conforms
Impact resistance	Category IV

COMPONENTS



VENTIROCK DUO

Thermal and acoustic insulation of ventilated facades.
Uncoated semi-rigid rock wool panel with double density.



T - PROFILE

Vertical profile



O-PROFILE

Horizontal profile



MFT-FOX VI 100 M

Retaining bracket



MFT-FOX VI 100 L

Supporting bracket

H-SELECTION CERTIFICATIONS



Slate Klinker Planum Roof Tile



How can we help you?

Are you thinking of renovating your home?

Do you want to improve your energy certification to rent or sell your home?

Do you have a new project?

Contact us!

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