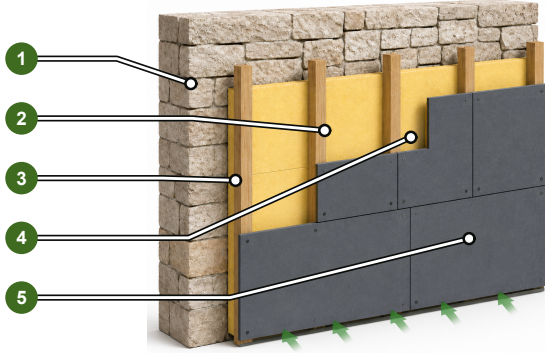


UNIVERSAL VENTILATED FAÇADE SYSTEM

VENTILATED FAÇADE CLADDING WITH PIR INSULATION



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SYSTEM OVERVIEW

The universal ventilated façade combines PIR insulation, a supporting substructure, a drained cavity and durable cladding. It protects the wall while allowing broad material choice.

Verify substrate, height, wind, fire, openings, fixings and panel format.

WHY ECOVIVA

- Independent renovation guidance
- Project-specific technical verification
- Local Mallorca expertise
- One point of contact from concept to completion

FIVE-PART UNIVERSAL VENTILATED FAÇADE BUILD-UP

- Existing masonry wall**
Prepared masonry or structural wall supporting the façade system.
- PIR insulation layer**
Continuous rigid insulation improving the external thermal envelope.
- Timber or aluminium substructure**
Rails transfer façade loads and establish the required cavity depth.
- Ventilated cavity**
Open drainage and airflow space behind the exterior finish.
- Exterior façade cladding**
Durable outer finish defining the architectural appearance.

KEY TECHNICAL PRINCIPLES

- CONTINUOUS EXTERNAL INSULATION**
Install PIR continuously outside the wall to limit thermal bridging.
- PROJECT-SPECIFIC SUBSTRUCTURE**
Select material, spacing and anchors for the cladding, wind and substrate.
- MATERIAL-SPECIFIC FIXING**
Coordinate fixings, joints and support spacing with the selected system.
- VENTILATED CAVITY**
Maintain a continuous cavity for upward airflow and safe drainage.
- CONTROLLED OPENINGS**
Protect base and top openings while maintaining sufficient free area.
- FIRE AND WIND VERIFICATION**
Verify cavity barriers, fixing resistance and wind-load performance.

EXAMPLES OF COMPONENTS USED IN THE SYSTEM

Components are selected for the façade material, panel format, building height, exposure and project requirements.



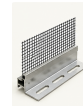
1. PIR insulation board



2. Timber or aluminium substructure



3. Façade fixing screw or rivet



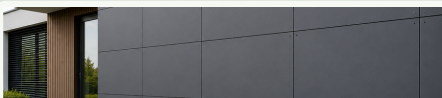
4. Ventilation profile with insect mesh



5. Façade panel joint profile

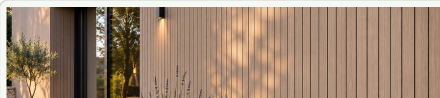
FAÇADE MATERIAL OPTIONS

Six durable façade finishes illustrate the architectural flexibility of the ventilated system.



ROCKPANEL® PANELS

Stone-wool façade panels combining design flexibility, durability and low maintenance.



FIBRE CEMENT SIDING BOARDS

Durable boards with a refined linear appearance and strong weather resistance.



NATURAL SLATE

Authentic, durable and non-combustible slate with distinctive overlapping patterns.



HPL FAÇADE PANELS

Durable laminate panels available in varied colours, textures and finishes.



ALUMINIUM FAÇADE SYSTEMS

Lightweight, recyclable cladding with precise joints and low maintenance.



PORCELAIN FAÇADE TILES

Large-format tiles offering durable, stain-resistant and weather-resistant finishes.

KEY BENEFITS

- High thermal performance
- Reduced thermal bridging
- Controlled drainage and ventilation
- Wide choice of façade materials
- Durable weather protection
- Flexible architectural design
- Replaceable exterior components
- Suitable for renovation and new construction

TYPICAL APPLICATIONS

- Renovation of masonry façades
- Energy upgrades of villas
- Contemporary residential extensions
- Apartment and multi-residential buildings
- Commercial and hospitality façades
- New-build ventilated envelopes

MATERIAL APPEARANCE AND AGEING

Appearance depends on material, finish and exposure. Manufactured panels may remain uniform, while natural slate varies in tone and texture. Confirm colour stability, cleaning, joints and weathering for the selected product.

IMPORTANT TECHNICAL REQUIREMENTS

Check wall, anchors, rails and fixings for project wind loads. Keep a drained cavity with protected openings. Coordinate substructure, panels, fire strategy, movement joints and interfaces; verify barriers, drainage and corrosion. Comply with the CTE and project documents.