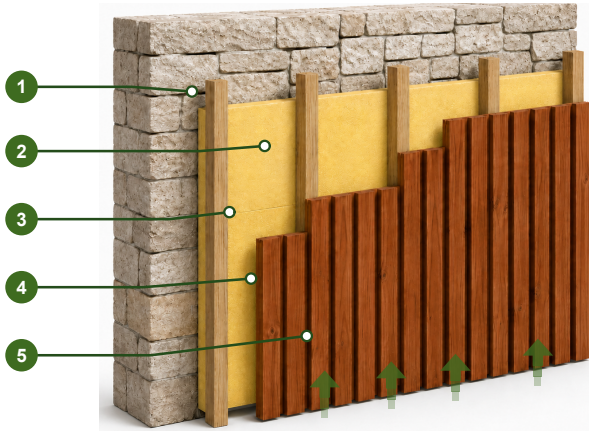


VENTILATED THERMOWOOD® FAÇADE SYSTEM

VENTILATED TIMBER CLADDING WITH PIR INSULATION



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SYSTEM OVERVIEW

The ventilated ThermoWood® façade combines external insulation, a timber substructure and durable thermally modified cladding. The drained cavity protects the wall and supports airflow.

Verify substrate, height, wind, fire, openings and fixings for the project.

WHY ECOVIVA

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

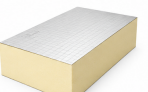
FIVE-PART VENTILATED TIMBER FAÇADE BUILD-UP

- 1 Structural wall substrate**
Prepared masonry or concrete wall supporting the complete façade system.
- 2 PIR façade insulation**
High-performance rigid insulation reducing heat transfer through the external wall.
- 3 Timber battens**
Durable timber substructure creating the ventilated cavity and supporting the cladding.
- 4 Ventilated cavity**
Continuous drainage and airflow space behind the external timber finish.
- 5 ThermoWood® cladding**
Thermally modified timber finish providing stability and natural architectural character.

KEY TECHNICAL PRINCIPLES

- ✓ VENTILATION AND DRAINAGE**
Keep the base-to-top cavity open for continuous airflow and drainage.
- ✓ MOISTURE MANAGEMENT**
Use a suitable vapour-open breather membrane and correctly detailed openings.
- ✓ DURABLE SUBSTRUCTURE AND FIXINGS**
Select exterior-grade battens and corrosion-resistant fixings for loads and coastal exposure.
- ✓ MOVEMENT AND DETAILING**
Allow timber movement; coordinate openings, corners and closures.

ASSEMBLY COMPONENTS

 ThermoWood® cladding profile Thermally modified exterior timber profile.	 Timber batten Substructure forming the ventilation and drainage cavity.	 Stainless-steel screw Corrosion-resistant exterior façade fixing.	 Breather membrane Water-resistant and vapour-open protective layer.	 Ventilation insect mesh Protects cavity openings while maintaining airflow.	 PIR insulation High-performance rigid thermal insulation.
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FAÇADE DESIGN OPTIONS

 Classic Horizontal Calm horizontal timber appearance.	 Vertical Shadow Gap Modern vertical rhythm with dark joints.	 Mixed Width Varied board widths for a dynamic façade.	 Triple Profile 3D Narrow ribs creating depth and shadow.	 Block Profile 3D Deeper relief and stronger expression.	 Silver Grey Weathered Natural ageing to a soft grey patina.
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KEY BENEFITS

- Durable, dimensionally stable timber
- Ventilated moisture-management strategy
- Improved external thermal performance
- Warm natural architectural appearance
- Low-maintenance untreated ageing option
- Renewable wood-based façade material

TYPICAL APPLICATIONS

- Residential façades
- Villas and holiday homes
- Entrance features
- Garden and boundary walls
- Pool houses
- Selected commercial buildings

NATURAL COLOUR EVOLUTION



IMPORTANT TECHNICAL REQUIREMENTS

Select compatible components for substrate, insulation, cavity, cladding, fixings, height and exposure. Verify openings, insect protection, drainage, fire, movement joints and interfaces. Comply with the CTE, product documentation and project requirements.