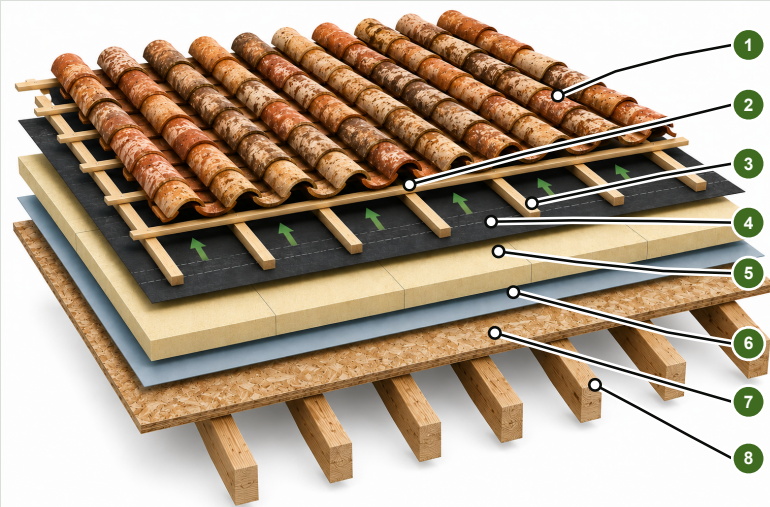




SYSTEM OVERVIEW

This ventilated roof combines traditional Mallorcan curved clay tiles with modern insulation, moisture control and precise detailing. It improves thermal performance while preserving Mallorca's architectural character.

WHY ECOVIVA

- Independent renovation guidance
- Project-specific technical verification
- Your interests come first
- Guidance from first question to completion
- Local Mallorca expertise

EIGHT-LAYER ROOF BUILD-UP

1 Traditional Mallorcan curved clay tiles

Traditional clay roof finish that protects the roof and preserves its local architectural character.

3 Counter battens / ventilation battens

Vertical battens that create the drainage and ventilation cavity beneath the tile battens.

5 PIR thermal insulation

Continuous PIR insulation improves thermal performance, reduces heat transfer and helps lower heating and cooling costs.

7 Structural roof deck

Timber-based structural roof deck as shown in the approved detail.

2 Tile battens

Horizontal timber battens that support and position the roof tiles.

4 Waterproofing layer

Breathable roofing underlay or continuous waterproof membrane selected according to roof pitch and project conditions.

6 Vapour control layer

Used where required according to the verified hygrothermal design to help control moisture migration through the roof build-up.

8 Roof structure

Timber rafters supporting the complete roof build-up.

KEY TECHNICAL PRINCIPLES



ROOF PITCH

The roof pitch determines the permitted waterproofing system and the required tile overlap.



WATERPROOFING SELECTION

The waterproofing layer is selected according to roof pitch, exposure conditions and manufacturer requirements.



VENTILATED ROOF

Continuous ventilation beneath the tiles helps remove moisture, reduces condensation risk and supports healthier indoor conditions.



THERMAL PERFORMANCE

Continuous PIR insulation improves thermal performance, reduces heat loss and helps lower heating and cooling costs.



INSTALLATION PRINCIPLES

Correct detailing, compatible materials and professional installation are essential for a durable roof system.

TILE FIXING OPTIONS

Fixing is selected according to wind load, tile type and manufacturer requirements.



1. Stainless-steel tile clip



2. Stainless-steel fixing screw



3. Ventiladed eaves comb

IMPORTANT / COMPLIANCE

The final system specification must comply with the Spanish Building Code, applicable UNE standards, manufacturer requirements and the verified project conditions.

KEY BENEFITS



DESIGNED FOR MALLORCA

Adapted to the local climate and traditional architecture.



LOWER ENERGY COSTS

Continuous insulation lowers heating and cooling demand.



BETTER ENERGY PERFORMANCE

The system can contribute to a better EPC or energy-performance rating.



HEALTHIER INDOOR CLIMATE

Ventilation and moisture control reduce humidity and condensation risk.



BUILT ON EXPERIENCE

Professional design, installation and project-specific verification.