



VENTROOF™
— SYSTEM —

by Paneles y Revestimientos

Ventilated pitched-roof construction system · Technical data sheet

SYSTEM DEFINITION

VENTROOF SYSTEM™ is a complete construction system for ventilated pitched roofs that integrates the continuous structural support, the timber substructure, the ventilation cavity and the aesthetic finishing layer into a single solution — eliminating traditional intermediate layers, reducing on-site error and enabling industrialised installation. VENTROOF SYSTEM is designed as a prescribable system for direct inclusion in engineering and architecture projects.



Illustrative render — VENTROOF SYSTEM™ construction system

SYSTEM COMPOSITION

Ribbed sandwich panel

- 1 Continuous structural support
Core: PUR / PIR / Rock wool
Thickness: 30–180 mm

Treated timber batten

- 2 Section: 48×32 mm
Fixing: 45×4,5 mm screw
Rests on panel crest

Ventilation cavity

- 3 Continuous eave–ridge
Improves thermal efficiency
Reduces condensation

Evertile metal tile

- 4 COPPO · EVOQ · SHINGLE...
0,45 mm Aluzinc steel
Silica-stone coating

TECHNICAL PARAMETERS

Minimum pitch, all models: 10° (except SHINGLE: 15°)

Panel thickness available: 30 / 40 / 60 / 80 / 100 mm

Batten section: 48×32 mm — treated timber

Minimum installation temp.: +5 °C

Tile cutting: Shears only · saws prohibited

Tile fixing screws, normal zone: 4 per tile NCS 45×3.4mm

Tile fixing screws, hurricane zone: 6 per tile NCS 45×3.4mm

Batten-to-panel fixing screws: 45×4.5 mm wood-thread screws

Ventilation: Continuous — eave intake · ridge outlet



COMPATIBLE EVERTILE TILE MODELS — TECHNICAL SPECIFICATIONS

All measurements in mm · Coverage in m² · Source: Evertile Catalogue 01-2025

Model	Family	Total dim.	Effective dim.	Cov. m ²	U/m ²	Kg/u	Kg/m ²	Min. pitch	Batten mm	Material / Finish
COPPO	C-ST6	1,240×385	1,190×358	0.426	2.35	2.90	6.80	10°	358	Aluzinc + stone granules
EVOQ	ST7	1,340×411	1,260×367	0.465	2.15	3.00	6.45	10°	367	Aluzinc + stone granules
SHINGLE	QST	1,360×400	1,295×367	0.475	2.10	3.00	6.30	15°	367	Aluzinc + stone granules
EVERTECH	T-ST7	1,340×411	1,260×368	0.465	2.15	2.05	4.40	10°	367	Aluzinc + matte polyurethane
EVERGLAZE	G-ST7	1,340×411	1,260×368	0.465	2.15	2.05	4.40	10°	367	Aluzinc + gloss polyurethane
COPPO-TECH	C-ST6	1,240×385	1,190×359	0.426	2.35	2.15	5.05	10°	358	Aluzinc + matte polyurethane

VENTROOF SYSTEM™ VS. TRADITIONAL PITCHED ROOF

Criterion	Traditional roof	VENTROOF SYSTEM™
Construction layers	Decking + membrane + cavity + batten + ceramic tile	Sandwich panel + batten + tile — system integrated in 3 layers
Thermal insulation	Mandatory independent layer (polystyrene, rock wool, etc.)	Built into the panel — PUR / PIR / Rock wool
Fire resistance	Depends on the additional materials used	Rock-wool core: A1 classification — does not contribute to fire
Structural load	High — decking + wet layers + ceramic tile	Reduced — lightweight panel + metal tile. Suitable for renovation
Installation speed	Slow — wet trades, drying and multiple crews	Fast — industrialised system, minimal specialised labour
Ventilation	Requires specific design and detailing	Continuous eave-ridge — integrated into the system
Sustainability	Waste from multiple materials, higher carbon footprint	Less waste and transport, lower energy use in service

Technical note: Warranty valid with correct installation, sufficient ventilation and exclusive use of original Evertile accessories.

Minimum temperature recommended during installation: +5°C · Do not use circular saws · Paint cut edges with the Evertile REP kit.