

MONOWOOD T - wood fibers sandwich panel for roofing



Panel thickness	50, 60, 80, 100, 120, 150, 200, 240 mm	Fire reaction	B _{s1} -d ₀
Steel sheets	Outer steel face thickness (F1) : 0.63 mm Inner steel face thickness (F2) : 0.50 mm	Fire resistance	REI30 with a loading of 25 kg/m ²
Insulated core	Wood fibers	Facade test fire propagation	not relevant
Standards length	Up to 15 m	External fire roof performance	Tendency Broof t1
Geometry of the steel sheets	Outer steel face type of geometry : flat, Ribbed, Micro ribbed, Macro ribbed Inner steel face type of geometry : flat, Ribbed	Smouldering	Sensitive
Coatings	Organic coatings protection applied to steel sheet metal Wide range of colour finishes – see MONOPANEL colour chart	Water permeability	Class A 1200 Pa
Fastening	Cross-through fasteners	Air permeability	n = 1.4 c = 0 (positive pressure) n = 1.2 c = 0 (negative pressure)
Mechanical span	6m – 19.29 kN	Acoustic	R _w (C ;Ctr) = 30(-1 ; -3)
Diaphragm effect	Maximum 8.2 kN @ 150 mm	Fungi test	Sensitive
Seismic	Displacement of 150 mm Acceleration 1.85 m/s ² 6m maximum span	Durability	DUR 2 test pass – Pass the 2 years demonstrator
Thermal conductivity	0.06 W/mK	Environmental impact indicator	Panel 200 mm: 25,9 kg CO ₂ equiv/UF Panel 150 mm: 24,6kg CO ₂ equiv/UF
Thermal Up	0.35 W/m ² K for 150 mm thick 0.28 W/m ² K for 200 mm thick	Wood fiber sourcing	PEFC label

