

MONOWOOD B - wood fibers sandwich panel for cladding



Panel thickness	50, 60, 80, 100, 120, 150, 200, 240, 300 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	External wall EI 30 Partition EI 45
Insulated core	Wood fibers	Facade test fire propagation	Positive conclusion with the interposition of a mineral wool panel
Standards length	Up to 12 m	Smouldering	Sensitive
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	Water permeability	Class A 1200 Pa
Coatings	Organic coatings protection applied to steel sheet metal Wide range of colour finishes – see MONOPANEL colour chart	Air permeability	1.1 ≤ n p ≤ 1.5 c = 0 1.3 ≤ n s ≤ 1.7 c = 0
Fastening	Cross-through fasteners	Acoustic	R _w (C;Ctr) = 29(-1;-3) dB
Mechanical span	6m – 14.97 kN	Fungi test	Sensitive
Diaphragm effect	Maximum 4.8 kN @ 150 mm	Durability	DUR 2 test pass Pass the 2 years demonstrator
Seismic	Displacement of 150 mm Acceleration 2.25 m/s ² 6m maximum span	Environmental impact indicator	Panel 200 mm: 23,9 kg CO ₂ equiv/UF Panel 150 mm: 22,6 kg CO ₂ equiv/UF
Thermal conductivity	0.06 W/mK	Wood fiber sourcing	PEFC label
Thermal Up	0.38 W/m ² K for 150 mm thick 0.29 W/m ² K for 200 mm thick		

