

Insulated Aluminum Roof & Wall Panels

Technical Specification Sheet | GSM BuildTech | Factory-Direct China Supplier

Panel Range & Thermal Performance

Thickness	Core	U-value (W/m ² K)	Approx. weight	Best for
50mm	PIR	0.44	~7.0 kg/m ²	Uncooled storage
75mm	PIR	0.30	~7.5 kg/m ²	Workshops, warehouses
100mm	PIR	0.22	~8.2 kg/m ²	AC warehouses, factories
150mm	PIR	0.15	~9.3 kg/m ²	Chillers, frozen storage
200mm	PIR	0.11	~10.5 kg/m ²	Blast freezers

Standard Construction

Item	Specification
Face sheet	0.5mm aluminum (0.4 / 0.6mm optional)
Coating	PVDF (Kynar 500/Hylar 5000), 25-yr color stability; SMP optional
Core	PIR / PUR, density ≥42 kg/m ³ (λ=0.022 W/mK)
Fire rating	FM 4880 Class 1 available; rock wool A-grade optional
Profiles	Standing seam / concealed-fix roof; flat or micro-rib wall
Panel length	Made to order (transport limit ~11.8m / 40HQ)

Supply, Documentation & Logistics

Item	Detail
Minimum order	1 x 40HQ container (~900–1,200 m ²)
Production	20–35 days
Transit	Gulf 16–26 days · SE Asia 5–10 days
Duty	GCC 5% (Saudi: SABER required) · ASEAN 0% with Form E
Documents	SABER, SGS/Intertek reports, ISO 9001, COO/Form E, invoice, B/L
Payment	30% TT deposit, 70% against B/L copy

Request a quote: WhatsApp +86 155 2274 6824 · sales@insulatedaluminumroof.com · insulatedaluminumroof.com

Figures are typical values for budgeting and specification. Final values confirmed per order. © GSM BuildTech.