

Insulated Sandwich Panels

Double-skin metal-faced panels with PIR, PUR or mineral wool cores

Factory-made insulated panels: two steel facings bonded to a rigid insulating core, used for walls and roofs of industrial buildings, cold stores and clean environments. Panel thickness and core type are chosen together with the U-value and fire requirement for the building.

Core options

Core	Typical use	Notes
PIR (polyisocyanurate)	Walls and roofs where space matters	Higher insulation per mm; improved fire behaviour vs PUR
PUR (polyurethane)	General insulated walls and roofs	Established core; fire performance governed by the certification
Mineral wool	Fire-rated walls and roofs, acoustic control	Non-combustible core; heavier, needs care at joints
EPS / XPS	Cost-driven cold-store and general envelopes	Lower fire classification than mineral wool

Panel data

Panel thickness	Common range 40 – 200 mm (project-specific)
Facing	Pre-painted galvanised steel; thickness and coating per specification
Joint	Concealed-fix or exposed-fix, depending on panel and application
U-value	Follows core type and thickness — confirm for the target specification
Length	Cut to order

The U-value, fire classification and CE marking of an insulated panel come from the panel system and its certification, not from this sheet. Tell us the target U-value or the required fire rating and we will confirm the panel.

Standards referenced

EN 14509 (self-supporting double-skin metal-faced insulating panels — product specification) · EN 13501-1 (reaction to fire classification) · CPR (EU) 305/2011 with CE marking · EN 10346 (coated steel for the facings)

Need a quote? Send the target U-value or fire rating, panel thickness, and total area.

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