

PU Sandwich Panel Data Sheet

Thermal insulation sandwich panel reference for cold rooms, warehouses, industrial wall systems and roof systems.



Product Overview

PU sandwich panels are widely used for energy-saving wall and roof systems. They support custom thickness, steel skin, color and coating selection for industrial and cold chain projects.

Typical Technical Parameters

Item	Reference Value / Range
Core material	PU rigid foam insulation core
Density range reference	35-40 kg/m3
Color steel thickness	0.3-0.8 mm
Wall panel core thickness	30-200 mm
Roof panel core thickness	20-200 mm / 30-200 mm by roof profile
Effective width	Wall: 1000 / 1120 mm; Roof: 1000 mm
Thermal conductivity reference	0.019-0.023 W/m.K catalogue reference for polyurethane insulation context
Panel length	Customizable according to project and transport requirements

Selection Notes

Selection Item	Buyer Review Point
Insulation priority	Review target temperature and preferred thickness.
Facing material	Confirm inner and outer steel thickness, coating and color.

Typical Applications

Application	Project Reference
Cold rooms	Walk-in coolers, chillers and freezer support buildings
Warehouses	Industrial wall and roof systems
Food processing	Insulated production and storage areas

Quotation Checklist

Item	Information to Provide
Panel type and core material	Confirm PU, PIR, rock wool, EPS or clean/cold room system.
Thickness and steel skin	Confirm core thickness, inner/outer steel sheet thickness, coating and color.
Quantity and dimensions	Provide panel length, effective width requirement, project quantity and drawings if available.
Application and country	Provide building use, project country, fire/insulation expectations and destination port.
Accessories and packing	Confirm flashings, fasteners, packing method and loading reference.

Reference Notes

Values are compiled from LIAOHE catalogue references and common product ranges. They are for preliminary buyer review, not a substitute for final order drawings or engineering confirmation.

Fire rating, thermal value, loading span and certification applicability must be confirmed according to product model, thickness, facing material and destination market requirement.

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