

Sandwich Roof & Wall Panel Technical Reference

Reference for insulated roof panels, insulated wall panels and industrial building envelope systems.



Product Overview

Sandwich roof and wall panels are selected according to building use, panel span, purlin spacing, insulation thickness, load condition, coating and installation details. This reference supports early buyer review before final engineering confirmation.

Typical Technical Parameters

Item	Reference Value / Range
Roof panel core options	PU, PIR, rock wool, EPS or edge-sealing rock wool by model
Wall panel core options	PU, PIR, rock wool, EPS or clean panel systems
Color steel thickness	0.3-0.8 mm common range
Roof effective width	950 / 960 / 1000 mm depending on profile
Wall effective width	950 / 1000 / 1120 / 1150 mm depending on model
Unsupported span reference	Example catalogue roof panel table: 30-80 mm, polyurethane 40 kg/m3, load 0.5-1.5 kN/m2 with allowable purlin distance reference 2200-1200 mm
Panel length	Customizable according to order and transportation limitations

Selection Notes

Selection Item	Buyer Review Point
Span and load	Final span must be confirmed by panel model, thickness, steel facing and local engineering requirement.
Accessories	Confirm ridge, eave, corner, window, door and wall base flashings.

Typical Applications

Application	Project Reference
Industrial warehouses	Roof and wall envelope systems
Workshops and factories	Fast-installed insulated building enclosure
Prefab buildings	Modular wall and roof systems with accessories

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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