

Cold Room Panel Technical Reference

Technical reference for refrigerated warehouses, freezer rooms, chillers and cold chain facilities.



Product Overview

Cold room panels are selected by storage temperature, insulation thickness, joint sealing, door/opening details and hygiene requirements. LIAOHE catalogue notes cold storage panel production capability up to 250 mm ultra-thick panels for low-temperature environments.

Typical Technical Parameters

Item	Reference Value / Range
Recommended core options	PU / PIR insulated core according to project requirement
Color steel thickness	0.3-0.8 mm common range
Panel thickness	50-200 mm common project range; up to 250 mm cold storage capability in catalogue
Effective width	Common 1000 / 1120 mm depending on model
Foaming process reference	Pentane foaming process referenced in company catalogue
Panel length	Customizable according to room dimensions and transport limitations

Selection Notes

Selection Item	Buyer Review Point
Temperature target	Provide storage temperature and operating condition.
Room layout	Provide room size, door position, opening details and ceiling support method.
Hygiene and coating	Confirm food-grade surface expectations and coating selection.

Typical Applications

Application	Project Reference
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Freezer rooms	Low-temperature storage and frozen food facilities
Chiller rooms	Fresh food, dairy, beverage and processing storage
Cold chain warehouses	Large refrigerated logistics and distribution buildings

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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