

Clean Room Panel Technical Reference

Technical reference for controlled production areas, food processing, electronics, pharmaceutical workshops and laboratories.



Product Overview

Clean room panels are selected by surface cleanliness, joint sealing, panel core, installation system and ceiling/wall coordination. The company catalogue references continuous clean panel production with automated forming, cotton feeding, glue spraying and double-track shaping systems.

Typical Technical Parameters

Item	Reference Value / Range
Core options	Rock wool, PU/PIR or other clean panel core options by model
Color steel thickness	0.3-0.8 mm common range
Panel thickness	Common project range 50-100 mm or by clean room design
Surface facing	Color-coated steel, stainless steel or other facing options by requirement
Installation	Wall and ceiling panel systems with joint and sealing details
Production capacity reference	Catalogue references clean panel system capacity up to 2,000,000 m2/year

Selection Notes

Selection Item	Buyer Review Point
Cleanliness requirement	Confirm clean room grade, surface material and sealing detail.
Core selection	Review fire, insulation and budget requirements.

Typical Applications

Application	Project Reference
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Food processing	Cleanable insulated wall and ceiling systems
Electronics workshops	Controlled production and assembly areas
Pharmaceutical and labs	Clean room partitions and ceilings by project design

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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