

LIAOHE SANDWICH PANELS

Sandwich Panel Product Selection Guide

PU, PIR, rock wool, EPS, cold room, clean room, roof, wall and flashing solutions for global industrial building projects.



Use

Buyer briefing and project selection

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Product Range Overview

LIAOHE supplies insulated sandwich panels and matching building envelope components. The correct product is selected according to insulation target, fire requirement, room temperature, hygiene level, roof or wall use, installation method and budget.



PU Sandwich Panels

Rigid polyurethane core panels for thermal insulation, cold rooms, warehouses and general industrial buildings.

PIR Sandwich Panels

PIR core panels for projects requiring insulation with improved fire performance compared with standard PU foam.

Rock Wool Sandwich Panels

Mineral wool core panels for fire-resistant envelopes, partitions, workshops and acoustic support.

EPS Sandwich Panels

Economical lightweight panels for general warehouses, temporary buildings and cost-sensitive applications.

Cold Room Panels

PU or PIR insulated panels for chilled rooms, freezer rooms, refrigerated warehouses and food cold chain projects.

Clean Room Panels

Smooth wall and ceiling panels for hygienic, controlled production environments and laboratories.

How to Choose the Core Material

Project Priority	Recommended Direction
Thermal insulation and low weight	Consider PU or PIR panels, then select thickness according to temperature, climate and energy target.
Improved fire behavior	Consider PIR or rock wool depending on local code, fire rating documents and installation system.
Fire resistance and sound reduction	Rock wool panels are often preferred for industrial buildings and partitions.
Budget-sensitive general enclosure	EPS panels may be considered where local code and project requirements allow.
Cold storage	Cold room PU/PIR panels are selected by target temperature, room size, door frequency and joint tightness.
Clean production	Clean room panels are selected by surface finish, joints, openings, ceiling load and cleaning method.

Quotation Data Needed

- Product type and application
- Panel thickness, steel sheet thickness and coating
- Quantity or total area
- Panel length, color and joint requirement
- Destination port and drawings if available

Typical Applications



Industrial Buildings

Roof and wall sandwich panels for factories, workshops, logistics centers and warehouses.

Cold Chain Facilities

Cold room and freezer panels for food storage, refrigerated logistics and processing facilities.

Clean Rooms

Hygienic wall and ceiling systems for pharmaceutical, laboratory, electronics and food processing areas.

Accessories

Metal flashings, trims and edge details help finish roof, wall, corner, door and window connections.