

TEMPERATURE CONTROLLED AND HYGIENIC ROOMS

Cold Room and Clean Room Panel Guide

Panel selection guidance for refrigerated storage, food processing, clean production, laboratories and controlled environments.

Core Options

PU, PIR, rock wool or project core

Use

Cold storage and clean rooms

Contact

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Cold Room Panel Selection

Cold room projects are not selected only by nominal panel thickness. Target temperature, room size, door frequency, operating humidity, floor connection and joint tightness affect the final specification.



Application	Panel Direction
Chilled room	PU or PIR panels selected by operating temperature and room size.
Freezer room	Thicker insulated panels and tight joints should be evaluated with door openings and refrigeration load.
Food processing	Cleanable surface finish and hygienic connection details should be confirmed early.
Cold chain logistics	Panel thickness, door frequency and thermal bridge details influence operating performance.

Clean Room Panel Selection

Key Requirements

- Smooth coated steel or stainless surface options
- Clean wall and ceiling joint system
- Compatible doors, windows and service penetrations
- Core material selected by insulation, fire and ceiling load requirements

Information to Provide

- Room layout and ceiling height
- Cleanliness requirement and cleaning method
- Door, window and opening schedule
- Fire requirement and load requirement
- Destination port and project schedule

