

Cold Store & Cleanroom Panels

Insulated panels with cam-lock joints for controlled environments

Insulated panels for cold rooms, freezers and cleanrooms. They differ from general building sandwich panels in three ways: the joint (cam-lock instead of concealed-fix), the core thickness, and the hygiene requirements of the lining.

Panel data

Panel thickness	Generally 60 – 200 mm; freezer rooms use the thicker end
Core	PIR / PUR for most cold rooms; mineral wool where fire resistance or non-combustibility is required
Joint	Cam-lock (eccentric hook) is the standard for demountable cold rooms; positive locking pulls the panels together and compresses the seal
Facing	Pre-painted galvanised steel; food-safe and cleanroom grades where specified; stainless on request
Systems	Wall, ceiling and floor panels, doors, and matching profiles for corners and coving

Cold store design is driven by the **temperature class and the U-value it has to hold**, plus the hygiene and fire requirement. Send the room temperature, room dimensions and the fire requirement.

Standards referenced

EN 14509 (self-supporting double-skin metal-faced insulating panels — product specification, including cold-store applications) · EN 13501-1 (reaction to fire) · CPR (EU) 305/2011 · HACCP / food-contact requirements where the room is a food environment · EN 10346 (coated steel facings)

Need a quote? Send the room temperature, room dimensions, panel thickness and fire requirement.

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