

Personal Panel Door

Made-to-measure insulated EPS sandwich-panel personnel door — matches your wall, installs over panel or brick.

Overview

The Personal Panel Door is a made-to-measure, single-leaf pedestrian door cut from Technopol's laminated EPS sandwich panel — two Chromadek steel skins bonded to a fire-retarded EPS (FRCel) core — hung in a lipped steel jamb with a lever handle and keyed mortice/cylinder lock. Because the leaf is the same panel as the walls, it continues the building's insulated, reaction-to-fire-classified envelope with no thermal break at the opening. Every door is ordered to seven measured dimensions (there is no fixed size range) and is detailed for two installs: the steel jamb clips over the cut edge of a Technopol EPS panel wall, or it fits inside a conventional brick/masonry reveal. Supplied as a complete set — leaf, steel jamb and ironmongery — for cold rooms, panel-built houses, poultry houses, site offices and any EPS-panel structure needing a matching insulated opening.

Applications

- Cold-room and freezer personnel doors matching LiteSpan/NuClad panel walls
- Doors for EPS panel-built houses, cabins and site offices
- Poultry-house and agricultural building doors
- Any insulated opening in a Technopol EPS panel envelope
- Insulated door retrofitted into an existing brick/masonry opening
- Matching insulated door for a continuous panelised building envelope

Benefits

- Same laminated panel as the wall — continuous insulated envelope with no thermal break at the opening
- Made-to-measure to seven dimensions (no fixed sizes) — fits any opening
- Two install configurations: clips over an EPS panel wall or fits inside a brick-wall reveal
- FRCel fire-retarded EPS core carries a B-s1,d0 reaction-to-fire classification
- Complete door set — leaf, steel jamb and ironmongery; hardware factory-fitted or supplied loose
- Fully custom handle/lock position — handedness plus vertical and horizontal offset

Specifications

Product type	Personal Panel Door — single-leaf pedestrian (personnel) door
Construction	Laminated Chromadek steel-skin / EPS-core sandwich panel (same as LiteSpan)
Skins	Chromadek steel ~0.4-0.5 mm; 1145 mm finished panel cover
Core	Fire-retarded EPS (FRCel), 15 kg/m ³ density; StoneWool/PIR core on request
Core / leaf thickness (C)	Made-to-measure (~45-50 mm in worked example)
Jamb	75 mm lipped C-section gripping the panel/leaf edge, 6 m lengths
Frame channel	U-channel 46 x 3 mm, 6 m lengths
Ironmongery	Lever handle on backplate, keyed mortice/cylinder lock, hinges
Sizing	Made-to-measure — 7 parameters A-G (all mm); no fixed size range
Reaction to fire	B-s1,d0 (FRCel EPS core; SANS 53501-1 / Euroclass) — material class only

Fire & compliance: The leaf's FRCel fire-retarded EPS core carries a B-s1,d0 reaction-to-fire classification (SANS 53501-1 / Euroclass) — this is a material reaction-to-fire class only, not a fire-resistance (integrity/insulation) rating, and there is no FR30/60 fire-resistance result on file for the door assembly. Agreement Certificate 2020/609 covers the LiteCore system only and does not cover this door.

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