

Personal Panel Door

INSULATED EPS SANDWICH-PANEL PERSONNEL DOOR

PRODUCT DESCRIPTION

The Personal Panel Door closes an opening in a panelised building with the same panel the building is made of. The leaf is cut from Technopol's laminated sandwich panel - two Chromadek coated-steel skins bonded to a fire-retardant expanded-polystyrene (FRCel) core - and hung in a lipped steel jamb sized to the wall panel thickness, so the insulated envelope is not interrupted by a hollow timber or steel door blank. It is ordered to seven measured dimensions and supplied as a complete set: leaf, jamb and ironmongery. It is not a fire door, it is not a security door, and it is not a freezer door.

PERSONAL PANEL DOOR PROPERTIES

PROPERTY	VALUE
Product type	Made-to-measure single-leaf pedestrian (personnel) door; leaf cut from a Technopol laminated EPS sandwich panel, hung in a lipped steel C-section jamb
Steel skins	Chromadek / galvanised coated steel, 0.3 / 0.4 / 0.5 mm (0.5 mm default)
Core material	Fire-retardant expanded polystyrene (FRCel), 15 to 24 kg/m ³ depending on the grade ordered (15 = wall grade, 24DV = high-traffic grade).
Laminating adhesive	400 g/m ² per face (800 g/m ² total)
Panel cover / maximum single-piece leaf width	1145 mm laminated cover.
Leaf core thickness (dimension C)	44 mm or 50 mm on the priced configurations; made-to-measure input.
Jamb	Lipped steel C-section gripping the panel/leaf edge; 44, 50, 60, 75 and 100 mm, supplied in 6 m lengths.
U-channel / capping	40, 44, 50 or 54 mm, supplied in 6 m lengths; the window aperture on a glazed leaf uses 40 mm capping with a retaining angle



Summary only — 8 further properties are given in the Personal Panel Door datasheet.

APPLICATIONS AND SCOPE

APPLICATIONS

- Personnel doors in LiteSpan and NuClad panel walls, where the door should not be the hole in the insulation.
- Chill rooms and above-zero cold rooms.
- Doors in EPS panel-built houses, cabins and site offices.
- Poultry-house and other agricultural building doors.

WHERE NOT TO USE IT

- Not for use as a fire door or in a fire division
- Not for freezer or deep-freeze rooms. The jamb is a bare lipped steel C-section with no frame heater
- Not for main entrances, street-facing doors, security doors or any high-traffic, abuse-prone position
- Not for openings carrying sustained heat - beside flues, in boiler rooms, over kilns or ovens