Sentry Automation Ltd

ISO 40

Insulated industrial sectional door

MANUAL OR ELECTRIC | **40mm INSULATED PANELS** | **19 STANDARD COLOURS**



INSULATED STEEL PANELS

40mm galvanised sandwich panels with a CFC-free polyurethane foam core.

FLEXIBLE TRACK OPTIONS

Standard, extra, vertical, roof-slope or low lift to suit the building.

WINDOW & PANEL CHOICE

Individual windows or full aluminium-framed sections with a choice of infills.

PEDESTRIAN ACCESS

Integrated outward-opening wicket door or a separate adjacent door available.

MICROLINE EXTERIOR

19 standard exterior colours; RAL 9002 interior with horizontal profiling.

The ISO 40 combines insulated panels with a choice of glazing, colours and operating systems for commercial and industrial premises. Horizontal sections travel along tracks beneath the ceiling, while torsion springs counterbalance the curtain for manual or electric operation.

8,000 × 6,000mm	48m²	0.99 W/m²K
Maximum width × height	Maximum door area	U-value at 5 × 5m, closed door

Supply only • Installation • Repairs • Planned servicing

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ISO 40 / Specification

DIMENSIONS & PERFORMANCE

Maximum width / height	8,000mm / 6,000mm
Maximum door area	48m²
Panel thickness	40mm
Aluminium sections	Available
U-value (closed door)	0.99 W/m²K at 5,000 × 5,000mm
Wind load resistance	Class 3-4 to EN 12424
Product conformity	EN 13241

CONSTRUCTION & SEALING

40mm galvanised steel panels with CFC-free polyurethane insulation; galvanised end caps, fittings and Sendzimir-galvanised tracks. Nylon-wheel rollers with 11mm shafts; steel cables with sixfold safety. Insulating seals at the top, sides, bottom and panel joints. Manual doors have a bottom-section handle and foot recess.

FINISHES & STANDARD COLOURS

Microline exterior, polyester-coated in RAL 3000, 5003, 5010, 6005, 6009, 7005, 7015, 7016, 7021, 7022, 7035, 8014, 9002, 9005, 9006, 9007, 9010, Goosewing Grey or Merlin Grey. Interior: horizontal profiling in RAL 9002.

Other RAL colours inside and/or outside are optional, excluding fluorescent and traffic colours.

WINDOWS & PANEL INFILLS

Oblong windows with straight or rounded corners and single or double insulating glazing; extra-low burglar-resistant or round windows.

Anodised aluminium sections can contain double acrylic, polycarbonate or Plexiglas glazing, hollow-core polycarbonate, or single-wall perforated aluminium in two variations.

DRIVE & ELECTRICAL

Manual cord/chain reel or geared electric motor. Dead-man, pulse or remote control.
Supply options: 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE; 50/60Hz.
Standard protection: IP54.
Controls: TS971 / TS981 / T100R (FU).

SAFETY & CONTROL FUNCTIONS

Emergency hand-chain hoist at operating height; spring-break and anti-lift protection. 24Vdc control; auxiliary supplies 24Vdc (350mA) / 230Vac (1.6A). Status display with six most-recent faults and a maintenance-cycle counter.

Self-learning opening-force monitoring detects sudden counterbalance changes. Automatic DI/FI inverter detection supports speed, soft-start/stop and braking-ramp settings.

ACTIVATION & SITE REQUIREMENTS

Pull switch, key switch, push-button, photocell, radar, induction loop or remote activation.

Dimensional and structural sheets are available for all track designs. For electric operation, a suitable CEE socket is required within 1m of the control unit, supplied by others. Standard CEE connection: control box IP54.

OPTIONS & ACCESSORIES

Frequency-controlled fast version; extra activation controls; directly wired IP65 control box and main switch. Leading photocell, cable-break protection, anti-lift protection, traffic lights, warning beacon, heavy spring-return shoot bolt and external locking cylinder.

Integrated outward-opening wicket door with closer and cylinder lock for door openings up to 6,000mm wide; separate adjacent wicket door; adjusted wind restriction; 30,000- or 60,000-cycle springs. Options are subject to additional cost and confirmation.

To quote: send opening dimensions, available headroom and side room, site photographs, postcode, power details, preferred finish and activation requirements.

Based on manufacturer literature dated May 2024. Confirm dimensions, performance, controls, structural provisions and current availability with your quotation. Technical changes reserved.

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