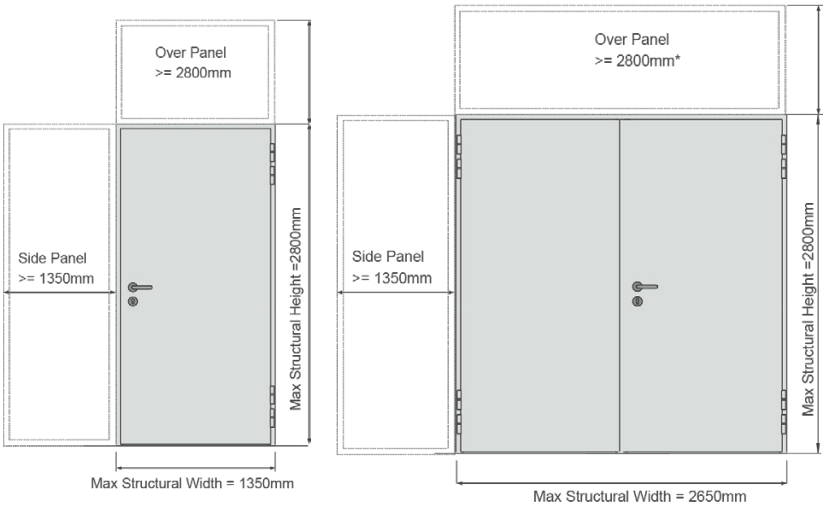
Sentry Automation Ltd

Steel Shield

External steel personnel and escape doors

EXTERNAL STEEL DOORS | **55mm INSULATED LEAF** | **SINGLE & DOUBLE DOORS**



Original manufacturer dimension illustrations. Confirm the selected clear opening and overall frame size with the project drawing.

PERSONNEL OR ESCAPE ACCESS

External perimeter steel door for personnel access or a specified means-of-escape application.

INSULATED STEEL LEAF

55mm twin-skin leaf with mineral fibre core. Published U-value: 1.6W/m²K.

CONFIGURABLE DESIGN

Single and double doors, with solid, glazed or louvred side and overpanels available.

CHOICE OF HARDWARE

Mortice locks, cylinder options, closers and appropriate escape hardware to suit the opening.

POWDER-COATED FINISH

External polyester powder coating to a specified RAL or BS 4800 colour reference.

Steel Shield is an external steel perimeter door for personnel access or means of escape. Its insulated, twin-skin construction combines a 55mm leaf with a 1.5mm steel frame. A choice of hardware, frames, glazing, louvres and thresholds allows the door to be specified for the opening and its intended use.

55mm	1.6W/m²K	EN 14351-1
Bonded door leaf thickness	Published thermal transmittance	External door CE marking

Supply only • Installation • Repairs • Planned servicing

0113 403 5583 **enquiries@sentryautomation.co.uk** **sentryautomation.co.uk**

Steel Shield - External Door

Secure perimeter door, ensuring optimum protection from air, wind and water. Provides a secure function for personnel access or means of escape.

Design

55 mm — Door leaf thickness 55mm Bonded

Flush Astragle
Sheet thickness
1.2/1,5mm

Main function

Personal Access

Means of Escape

Additional performance characteristics Under 14351-1

Air permeability
npd

Water tightness
npd

Resistance to wind load
npd

Thermal transmittence
(U Value) 1.6 w/m2k

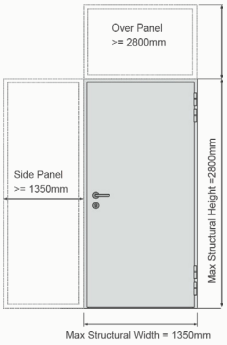
Acoustic performance (dB)
npd

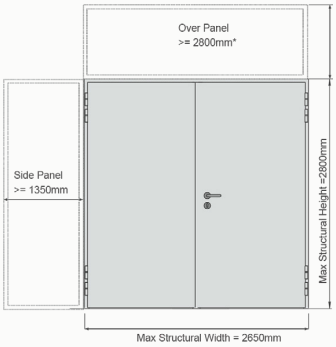
Ability to release
BSEN 1125 or 179

Security
npd

Fire rating
NON

Dimensions (mm)





*Panels over 1350mm in height will have a central split

Product description

Description	Steel Shield
Type	Steel perimeter security door
Use	Security door with CE marking for fitting in external walls for use as a Personnel Access or Means of Escape door
CE Marked to	EN 14351-1
Leaf thickness	55mm
Steel thickness leaf	1.2mm (Optional 1.5mm)
Astragle	Flush strike side
Steel thickness frame	1.5mm
Door leaf all-round	On 3 sides as standard/optionally on 4 sides
Design	Twin skinned bonded/ mechanical fixed (Non welded) around core
Surface finish	Door leaf and frame magnelis enhanced corrosion steel ready to accept PPC finish
Security bolts	12mm dia in between each hinge pair
Core	Insulated mineral fibre board to achive a U value of 1.6 w/m2k Optional solid timber core
Over & Side Panels	Available as solid, louvred or Glazed (see vision panel for glass specification)

Finish

In house applied and highly durable external polyester powdercoat to RAL or BS4800 colour reference. 7 year warranty* on finish for adhesion and colour stability.

*C3 non marine environment



STEEL SHIELD / EXTERNAL DOOR

HARDWARE, VISION & LOUVRES

Standard Hardware Fittings

Level handle set	Arrone 800 series DIN standard mortice lock range offering, sashlock, deadlock, nightlatch, latch, toilet lock and escape sashlock. Stainless steel 19mm dia round bar bolt through lever tested to grade 3 BSEN1906 and stainless steel security escutcheon.
Hinges and closing devices	4 No Arrone 8782 stainless steel lift off hinge, Class 14 to BSEN 1935 c/w 15mm security bolt (per pair). ASSA 200, 300 Surface mgt door closer c/w trim plate in silver finish.
Door bottom edge	U-profile to accommodate optional automatic drop seal or concealed floor sweep.
Profile cylinders	Supplied in optional configuration, choose from cylinder & turn, double cylinder, single cylinder. Standard differ supplied for multiple doors. Master key available upon request.
Means of escape devices	BS EN 1125 compliant 300 series from Briton, 376 2 point bolt, 378 single point latch 1413 Lever or Knob outside key access. BS EN 179 compliant 300 series from Briton, 372 2 point panic pad, 1438 single point panic pad. Arrone din std mortice escape sashlock c/w lever handle.

Vision Panel Options

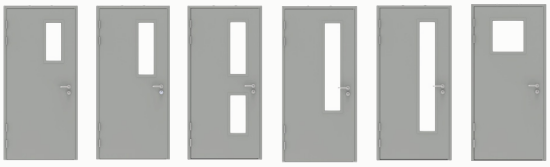


Two Part Screw together vision panel, glazed with 18mm Double Glazed unit:

DG make up: 4mm clear toughened/12mm spacer Black argon gas filled/4mm planitherm toughened

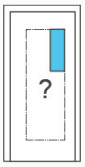
To deliver a U-value to match the door.

Standard Options



254x559 | 254x762 | 254x559 Lower 254x762 Upper | 254x1219 | 254x1524 | 457x457

Custom



Custom

Louvre Panel Options



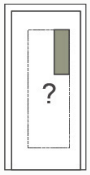
Two Part Screw together non vision louvre panel.

Standard Options



457x457 Upper | 457x457 Lower | 457x457 Upper & Lower | 457x1524

Custom



Custom

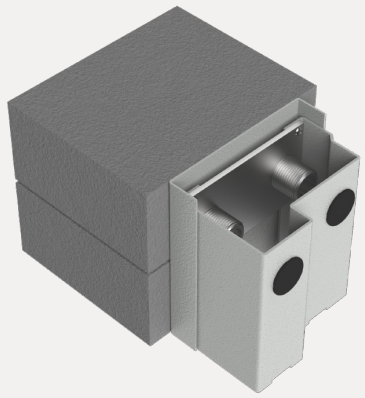
0113 403 5583 enquiries@sentryautomation.co.uk sentryautomation.co.uk

STEEL SHIELD / EXTERNAL DOOR

FRAMES & THRESHOLDS

Standard frame steel shield

Standard single rebate frame



Fitting method Diagonal fixing:

Rapid fit, adjustable screw system with expanding sub frame to jamb & head.

Frame sheet thickness 1.5mm

Surface finish

Magnelis enhanced corrosive resistant steel.

Frame seal

All-round on 3 sides or 4 sides, black.

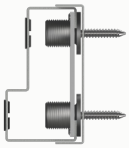
Fitting possible in:

Brickwork/concrete
Gas concrete
Prefabricated wall
Composite Panel,
Steel Work

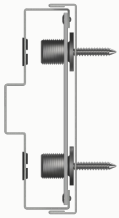
Door Frame Options

Steel shield external doors come with a choice of frames to suit the widest possible structural doorway constructions. As standard they come with the rapid fit "jacking screw" arrangement and adjustable sub frame channels that allow our doors to have the correct tolerance. This ensures simple installation, whilst expanding to fill the structural opening and leave a neat joint ready for mastic to be applied.

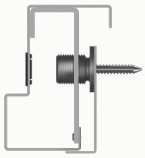
Standard Single Rebate



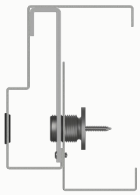
Optional Double Rebate



Optional Single Corner



Optional 2 Part Wrap Around



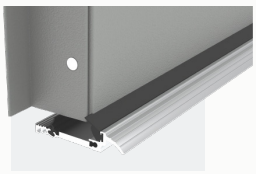
Custom Frames: As well as these standard design solutions our manufacturing and design facilities can deliver custom frames to suit any structural opening detail you need to install our doors into.

Threshold Options

A: 15mm High Raised Outward Opening



B: 15mm High Raised Inward Opening



C: 7mm High Sloped Transition



D: Optional Mortice Drop Seal *



*Can be used with either A or C threshold options above

0113 403 5583 enquiries@sentryautomation.co.uk sentryautomation.co.uk