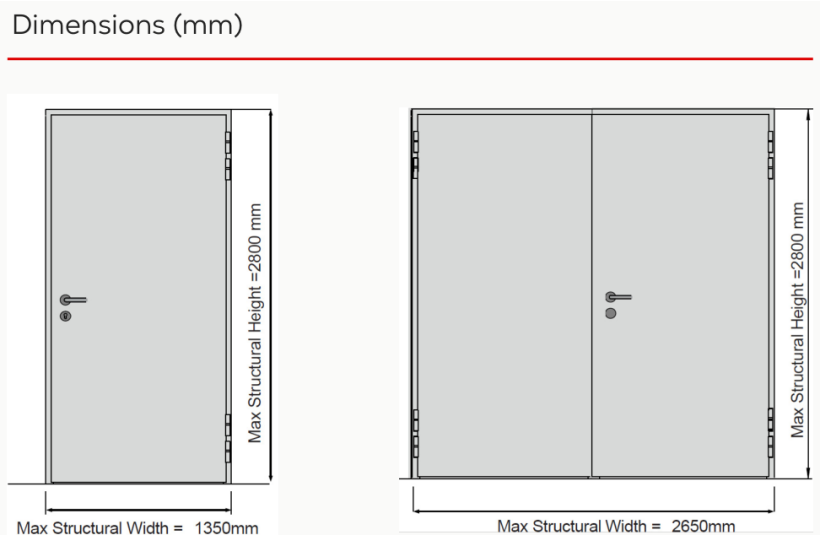
Sentry Automation Ltd

Steel Shield FR60

External fire-resisting steel doors

EXTERNAL FIRE DOORS | **E60 FIRE RATING** | **SINGLE & DOUBLE DOORS**



Original single and double door dimension diagrams. Full technical specifications and option details follow.

E60 FIRE PERFORMANCE

Manufacturer-stated E60 fire rating for the specified external steel door assembly.

45mm INSULATED LEAF

1.5mm steel leaf and frame, with an insulated mineral fibre board core.

SINGLE & DOUBLE DOORS

Personnel access or means-of-escape configurations. Side and overpanels are not available.

FIRE GLASS & LOUVRE OPTIONS

9mm Firelite vision glazing and louvres with an internal intumescent air-transfer block.

SPECIFIED HARDWARE

Full lock, hinge, closer and escape device references retained on the technical pages.

Steel Shield FR60 is an external fire-resisting steel door for personnel access or means of escape. Single and double door arrangements can be specified with the listed hardware, vision panel or intumescent louvre options. Confirm the complete door assembly, dimensions and hardware against the required fire specification.

E60	45mm	1.5mm
Manufacturer-stated fire rating	Door leaf thickness	Leaf and frame steel thickness

Supply only • Installation • Repairs • Planned servicing

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Steel Shield FR60- 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

45 mm — Door leaf thickness 45mm Bonded

Flush Astragle Sheet thickness 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 transmittencace (U Value) 1.6 w/m²k

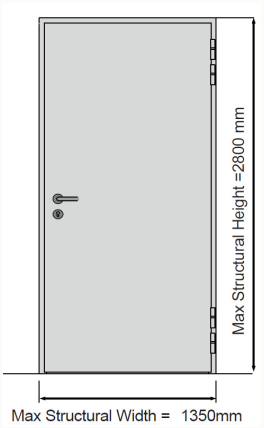
Acoustic performance (dB) npd

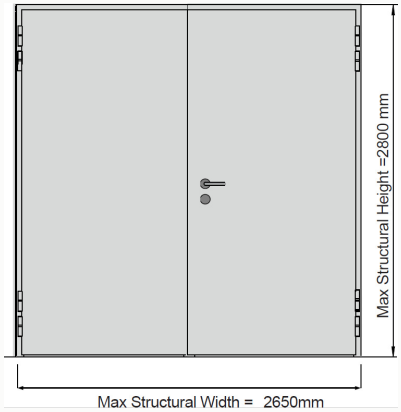
Ability to release BSEN 1125 or 179

Security npd

Fire rating E60

Dimensions (mm)





Product description

Description	Steel Shield FR60
Type	Steel perimeter security door Fire Rated
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 and 16034
Leaf thickness	45mm
Steel thickness leaf	1.5mm
Astragle	Joggled strike side
Steel thickness frame	1.5mm
Design	Twin skinned bonded/ mechanical fixed/welded around core
Surface finish	Door leaf and frame galvanised steel
Security bolts	8mm dia built into each hinge
Core	Insulated mineral fibre board to achieve an estimated U value of 1.6 w/m²k
Over & Side Panels	Not Available

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 FR60 / FIRE DOOR

HARDWARE, VISION & LOUVRES

Standard Hardware Fittings

Level handle set	Briton 5700 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
Hinges and closing devices	4 No stainless steel Class 14 to BSEN 1935 c/w 8mm security bolt. ASSA 200/300 Surface mgt Door Closer or Geze 2000/4000 Surface mgt Door Closers
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 or Exidor 500 series or Strand PH Pullman latch series .

Vision Panel Options



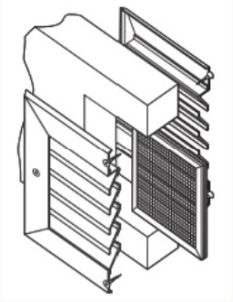
Two Part Screw together vision panel, glazed with 9mm Firelite 60 minute fire glass

Standard Options



200x1100

Louvre Panel Options



Two Part Screw together non vision louvre panel sandwiching an internal intumescent air transfer block

Standard Options



305x305
Lower

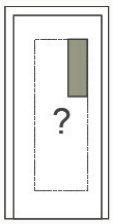


457x457
Lower



610x610
Lower

Custom



Max size
657x657

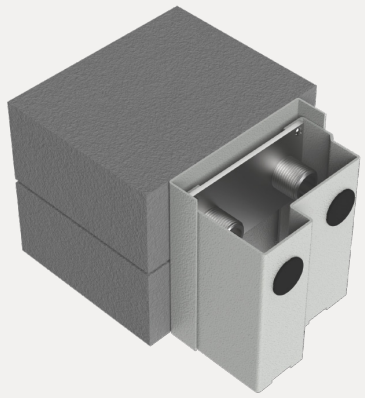
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STEEL SHIELD FR60 / FIRE DOOR

FRAMES & THRESHOLDS

Standard frame steel shield

Standard single rebate frame



Fitting method Diagonal fixing:

The door frame is fixed to the wall using prefabricated holes with plugs and bolts.

Frame sheet thickness 1.5mm

Surface finish

Galvanised steel.

Frame seal

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

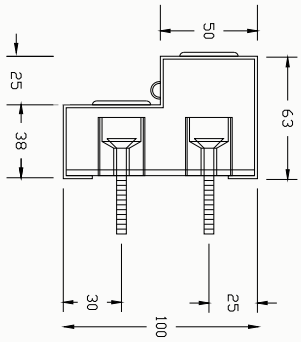
Fitting possible in:

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

Door Frame Options

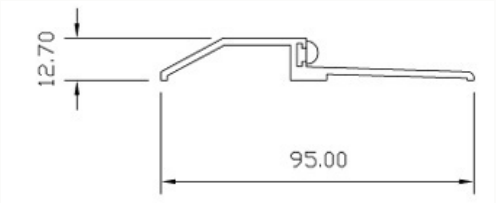
Steel shield external doors come with a choice of frames to suit the widest possible structural doorway constructions. As standard they come with the rapid fit "jacking screw" arrangement and adjustable sub frame channels that allow our doors to have the correct tolerance. This ensures simple installation,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

Standard Single Rebate



Threshold Options

G: 12.7mm High Raised Outward Opening



H: 15mm High Pressed Metal



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