

STEEL SHIELD EXTERNAL DOOR

Data Sheet

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

55mm

Door leaf thickness 55mm Bonded



Flush Astragles
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 transmittance (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)
Astragles	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 achieve 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

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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

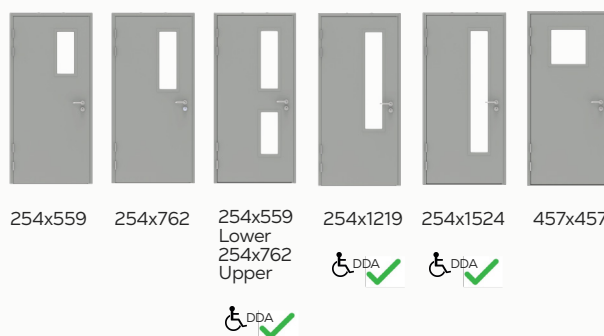


Two Part Screw
together vision panel,
glazed with 18mm
Double Glazed unit:

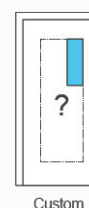
DG make up: 4mm clear
toughened/12mm
spacer Black argon gas
filled/4mm planitherm
toughened

To deliver a U-value to
match the door.

Standard Options



Custom



Custom

Louvre Panel Options

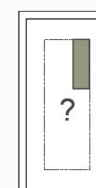


Two Part Screw
together non vision
louvre panel.

Standard Options



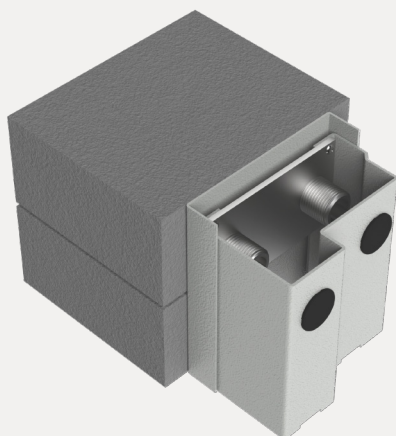
Custom



Custom

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.

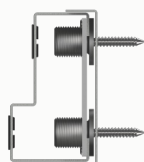
Fitting possible in:

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

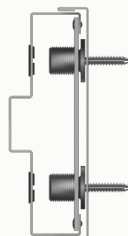
Door Frame Options

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.

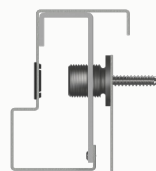
Standard Single Rebate



Optional Double Rebate



Optional Single Corner



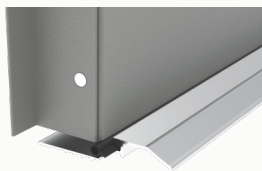
Optional 2 Part Wrap Around



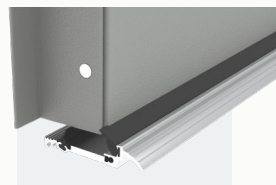
Custom Frames: As well as these standard design solutions our manufacturing and design facilities can deliver custom frames to suit any structural opening detail you need to install our doors into.

Threshold Options

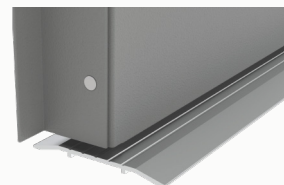
A: 15mm High Raised Outward Opening



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