



PA1 Aluminium Security Doorsets



Configurations

- Single leaf outward opening aluminium doorsets with or without side/over panels
- Double leaf outward opening aluminium doorsets with or without side/over panels



Min/Max Structural Opening Sizes

Product Type	Min. Width	Max. Width	Min. Height	Max. Height
Single leaf outward opening doorset	400	1450	400	3000
Single leaf outward opening doorset with over panel	400	1450	750	6000
Single leaf outward opening doorset with side panel(s)	750	Unlimited	400	3000
Single leaf outward opening doorset with over panel and side panel(s)	750	Unlimited	750	6000
Double leaf outward opening doorset	770	2750	400	3000
Double leaf outward opening doorset with over panel(s)	770	2750	750	6000
Double leaf outward opening doorset with side panel(s)	1170	Unlimited	400	3000
Double leaf outward opening doorset with over panel(s) and side panel(s)	1170	Unlimited	750	6000



Options

Leaf and a half doorset configurations also available. Sizes shown are in millimetres.

- Hinged or removable over panels, with removable transoms
- Hinged or removable side panels, with removable mullions
- Vision panels to customer preferred size or fully maximised
- Louvre vents to customer preferred size or fully maximised. With or without insect/vermin mesh
- Cable access ports



Leaf Construction

- Leaf thickness: 44mm
- Leaf construction: two 3mm aluminium interlocking trays
- See Finishes Section - Finishes for facing materials
- Core material: non-hygroscopic polyurethane foam or impact resistant honeycomb
- Heavy duty anodised aluminium door edgings c/w integrated astragal to leading edge
- Leaf weight with polyurethane infill: approx. 24 kg/m² excluding hardware



Frame Construction

- Frame profile: single rebate c/w integrated jacking channels
- Frame profile size: 100mm x 67mm
- Frame material: heavy duty extruded aluminium sections
- Assembly method: butt jointed corners
- Threshold: stainless steel plate with or without extruded low-profile aluminium upstand
- Weather seal: integral polyurethane foam gasket



Fixing Method

- 2nd fix between structural opening reveals
- Integrated and adjustable jacking channel frame fixing system
- Suitable wall construction materials: brickwork, blockwork, concrete, steel or timber





Hardware

- Heavy duty stainless steel continuous hinges
- Single, 2 & 3-point locking systems
- Panic escape, emergency escape, manual deadlocking, automatic deadlocking or electro-mechanical deadlocking options
- External key access with or without cylinder guard protection
- External padlockable hasp & staple devices
- Tower bolts or 2-point locking system to passive leaf
- Door closers or door stays
- Factory fitted unless otherwise stated
- External access via electro-mechanical access system
- Electro-mechanical access via pin code lock



Finishes

- Standard aluminium frame and door edge section finish: Satin silver anodised. AA25.
- Alternative aluminium frame and door edge section finish: polyester powder coated in a range of BS/RAL colours
- Door leaf, side panel and over panel faces: GRP (Glass Reinforced Plastic), mill finished aluminium or polyester powder coated aluminium in a range BS/RAL colours
- GRP faces are pigmented throughout, UV stable and available in a range of textures
- Combinations of materials, finishes, textures and colours may be specified to each door leaf and panel face



Certification

- UKCA marked in accordance with external door standard EN 14351-1: 2006 & A2: 2016
- Panic and emergency escape hardware certified in accordance with EN 1125: 2008 and EN 179: 2008
- Hinges certified in accordance with EN 1935: 2002
- Quality Management System certified to EN ISO 9001: 2015
- Environmental Management System certified to EN ISO 14001: 2015
- Occupational H&S Management System certified to EN ISO 45001: 2018



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