



# PS2 Stainless Steel Security Doorsets



## Configurations

- Single leaf outward opening security doorsets with or without side/over panels
- Double leaf outward opening security 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	1600	550	3275
Single leaf outward opening doorset with over panel	400	1600	1000	6100
Single leaf outward opening doorset with side panel(s)	750	Unlimited	550	3275
Single leaf outward opening doorset with over panel and side panel(s)	750	Unlimited	1000	6100
Double leaf outward opening doorset	700	3100	550	3275
Double leaf outward opening doorset with over panel(s)	700	3100	1000	6100
Double leaf outward opening doorset with side panel(s)	1000	Unlimited	550	3275
Double leaf outward opening doorset with over panel(s) and side panel(s)	1000	Unlimited	1000	6100



## Options

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

- Hinged or removable over panels, with removable transoms
- Removable side panels, with removable mullions
- Vision panels. Unit size range: 170mm to 1100mm wide & 170mm to 1400mm high
- Louvre vents with or without insect/vermin mesh. Unit size range: 125mm to 900mm wide & 125mm to 900mm high



## Leaf Construction

- Leaf thickness: 45mm
- Skin material: 1.2mm Grade 304 or 316 stainless steel
- Internal reinforcement material: attack resistant armoured steel
- Core material: impact resistant honeycomb, high-density mineral wool or polyurethane foam
- Anti-pry astragal to leading edge: 3mm aluminium alloy
- Leaf weight with honeycomb infill: approx. 45 kg/m<sup>2</sup> excluding hardware



## Frame Construction

- Frame profile: single or double rebate
- Minimum profile size: 100mm x 70mm
- Frame material: 1.5mm Grade 304 or 316 stainless steel
- Assembly method: butt jointed and bolted corners
- Threshold: stainless steel or SAA low-profile versions. No threshold optional.
- Weather seal: silicone self-adhesive gasket



## Fixing Method

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





## Hardware

- Heavy duty stainless steel continuous hinges
- MICO MSR single, 2 & 3-point locking systems
- MICO Elite or Abryll single point locking systems
- MICO INT Multipoint 2 & 3-point locking systems
- Surelock McGill Sterling single point locking systems
- Surelock McGill Slimline 2 & 3-point locking systems
- Panic escape, emergency escape, manual deadlocking, automatic deadlocking or electro-mechanical deadlocking options
- External key access with MICO USCH or Surelock McGill GSS cylinder guard protection
- External padlockable hasp & staple devices or MICO MLK, MICO ELK or Surelock McGill LEO outside access devices
- Tower bolts or MICO MSR, MICO INT Multipoint or Surelock McGill Slimline 2-point locking systems to passive leaf
- Door closers or door stays
- Factory fitted unless otherwise stated



## Finishes

- Polyester powder coat to a range of standard or bespoke colours. 30% gloss level
- Brushed, polished or patterned stainless steel



## Certification

- UKCA marked in accordance with external door standard EN 14351-1: 2006 & A2: 2016
- LPS 1175: Issue 8 Security Rating Classification B5 (SR2) Certificate No. 1570a
- See: [www.ts-designs.com/stainless-steel-doors](http://www.ts-designs.com/stainless-steel-doors)
- Secured by Design product listed and accredited
- Thermal transmittance (U-values) certified in accordance with EN ISO 10077-1: 2017 U-value for single and double doorsets: 3.0 W/m<sup>2</sup>K
- 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



Product Specification Sheet Ref. PS2/001 | Version 5 | Date: 02/07/2025



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