

1. Scope

- Single outward opening doorsets
- Double outward opening doorsets
- Single inward opening doorsets
- Double inward opening doorsets

2. Sizing

All sizes shown are structural sizes in mm.

Variant	Min Height	Max Height	Min Width	Max Width
Single outward opening doorsets	1500	2950	600	1470
Double outward opening doorsets	1500	2950	1050	2830
Single inward opening doorsets	1500	2950	600	1470
Double inward opening doorsets	1500	2950	1050	2830

Note:

- Leaf and a half doorsets are available, with a minimum active leaf width of 800mm, and a minimum passive leaf width of 400mm.

3. Locking Options

General Purpose

- Mortice sashlock
- Mortice deadlock
- Solenoid lock

Panic Escape

- 3 point panic bar

4. Additional Options

- Vision panels with 5mm Firelite glazing (standard sizes are 203x1524 or 457x457, with other sizes available on request)
- Bladed louvre cartridges (457x457, as standard, with other sizes available on request)
- Range of door closers

5. Fire Rating

Capital⁴⁵ doors are available with a fire integrity rating of up to 240 minutes with a Hexacomb infill, or up to 180 minutes with a mineral wool infill, certified by Exova under the CERTIFIRE scheme.

6. Acoustic Rating

Tested by UKAS-accredited BRE to BS EN ISO 10140-2:2010, Capital⁴⁵ doors are certified to provide up to 36dB of noise reduction.

7. Thermal Rating

Capital⁴⁵ doors have been tested by UKAS-accredited Exova to BS EN ISO 10077-1:2006.

Variant	U Value (W/m ² K)	
	Mineral Wool Infill	Hexacomb Infill
Single doorsets without vision panel	1.9	3.3
Double doorsets without vision panel	2.0	3.3
Single doorsets with vision panel	2.0 – 2.8	3.4 – 3.8
Double doorsets with vision panel	2.1 – 2.8	3.4 – 3.8

8. Leaf Construction

- Leaf thickness – 45mm
- Leaf material – 1.5mm THK Zintec
 - Protected by a minimum of 6no. dog bolts per leaf
- Astragal – Folded steel astragal
- Infill – Mineral wool or Hexacomb

9. Frame Construction

- Frame profile – 90mm single rebate
 - 138mm single rebate
 - Other frame profiles available on request
- Frame material – 1.5mm THK Zintec steel
- Construction method – Butt jointed frame sections, as standard
 - Fully welded frame available on request
- Frame infill – Mineral wool
- Threshold – No threshold, as standard
 - Steel or aluminium options available on request
- Fixing method – Through bolt type anchor fixings to be fixed through adjusters
 - Minimum of 6no. anchors per jamb
 - Frame fixing holes plugged with steel bungs, painted to match frame

10. Seals

- Door seal – Smoke seal around the perimeter of the frame
 - Smoke seal on the pry strip
- Drop seal – Surface mounted drop seal

11. Standard Details

- Finish – Polyester powder coated, as standard
 - Range of colours and finishes to suit client specification
- Weight – Circa 45kg/m²