

# Capital<sup>45</sup>

## 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 (mm)	Max Height (mm)	Min Width (mm)	Max Width (mm)
Single outward opening doorsets	1750	2250	750	1190
Double outward opening doorsets	1750	2250	1200	2460
Single inward opening doorsets	1750	2250	750	1190
Double inward opening doorsets	1750	2250	1200	2460

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
- Access Control
- Abloy EL Range

## 4. Additional Options

- Vision panels with 5mm Firelite glazing (203x762mm or 203x508mm)
- Double doors have concealed flush bolt on passive leaf

## 5. Fire Rating

Capital<sup>45</sup> doors are available with a fire integrity rating of 180 minutes with a mineral wool infill.

## 6. Acoustic Rating

Tested by UKAS-accredited BRE to BS EN ISO 10140-2:2010, Capital<sup>45</sup> doors are certified to provide up to 35dB of noise reduction.

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## 7. Thermal Rating

Capital<sup>45</sup> doors have been tested by UKAS-accredited Exova to BS EN ISO 10077-1:2006.

Variant	U Value (W/m <sup>2</sup> K)
	Mineral Wool Infill
Single doorsets without vision panel	1.9
Double doorsets without vision panel	2.0
Single doorsets with vision panel	2.0
Double doorsets with vision panel	2.1

## 8. Leaf Construction

Leaf Thickness	45mm
Leaf Material	1.5mm THK Zintec Protected by a minimum of 9no. dog bolts per leaf
Astragal	Folded steel astragal
Infill	Mineral Wool

## 9. Frame Construction

Frame Profile	90mm single rebate 150mm single rebate
Leaf Material	1.5mm THK Zintec steel
Construction method	Butt jointed frame sections, as standard
Frame Infill	Mineral wool
Threshold	No threshold, as standard (Drop seal fitted instead) 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/m <sup>2</sup>