



 Martin Roberts

Capital⁴⁵

High-performance architectural doorsets for inspiring buildings

revA



World-renowned provider of premium architectural doorsets for inspiring buildings.

MR Martin Roberts

Capital⁴⁵ is Martin Roberts' signature product, designed to be installed in inspiring buildings. A premium architectural doorset for fire and acoustic requirements, the Capital⁴⁵ has been developed to be specified by architects.

Widely installed throughout London, Capital⁴⁵ doorsets are located in commercial skyscrapers, luxury accommodation, transport hubs, and high value retail complexes.

Martin Roberts offer a comprehensive service, including a fully coordinated design, manufacture, and installation package, to provide customers with a quality product, efficient service, and peace of mind.

All Capital⁴⁵ doors are bespoke-engineered and manufactured, tailored to individual infrastructure requirements and project briefs, in a state-of-the-art production facility in the UK.

Capital⁴⁵

Designed for inspiring buildings and innovative infrastructure of high profile clients, Capital⁴⁵ architectural steel doorsets provide third-party accredited solutions for fire, acoustic, and security requirements.

All Capital⁴⁵ doorsets are custom-made to suit individual requirements, and can be engineered to incorporate vision panels and louvres, with optional side and/or top panels.

Capital⁴⁵ doorsets can be configured for use as a personnel or fire exit door, supplied fitted with your selection of premium architectural ironmongery from Allgood.

The Capital⁴⁵ is a high-specification doorset, with coordinating polyester powder coated bungs, and a welded frame, providing a seamless design and high-quality finish.

SUITABLE APPLICATIONS

Commercial skyscrapers

Luxury accommodation & hotels

Transport hubs & railway stations

High value retail complexes & shopping centres

Schools & universities

Hospitals & pharmaceutical environments

Recording studios & theatres

Other high value infrastructure





1A



1B



1C



1D

PERSONNEL OPTIONS

1A Deadlock & pull handle

1B Sashlock & lever handle

1C Morticed multi-point locking

1D Codelock & lever handle

SIZING

All sizes shown are structural sizes in mm.

	Min Height	Max Height	Min Width	Max Width
Single inward and outward opening	1775	2950	300	1470
Double inward and outward opening	1650	2950	1050	2830
Fixed and removable over panels	250	1225	300	1470
Fixed and removable side panels	300	2950	250	1225

Double doorsets are available with unequal splits (minimum active leaf width 400mm, passive leaf 800mm). Combinations of side and/or top panels can be used in a modular fashion to secure greater openings.

GENERAL CONSTRUCTION

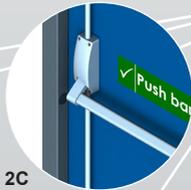
- 45mm door leaf construction, manufactured from Zintec steel.
- 90mm or 150mm double rebate welded rebate frame, manufactured Zintec steel (fast-fit frame option available).
- Minimum 4no. hinges, c/w minimum of 7no. heavy duty steel dog bolts to each leaf.



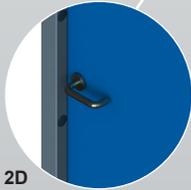
2A



2B



2C



2D

FIRE EXIT OPTIONS

2A Single point emergency escape push pad

2B Single point panic escape push bar

2C 2 point panic escape push bar

2D Emergency escape sashlock & lever handle

LOCKING OPTIONS

GENERAL PURPOSE

Deadlock

Sashlock

5 lever deadlock

Rimlock

Night latch

Code lock

Morticed multi-point locking

Electric strike & night latch

Magnetic locks

Solenoid bolts

PANIC ESCAPE

Single point emergency escape push pad

Single point panic escape push bar

2 point panic escape push bar

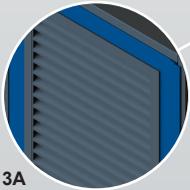
3 point panic escape push bar

5 point panic escape push bar

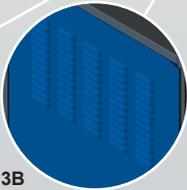
Emergency escape sashlock & lever handle

STAYS & CLOSERS

A range of door closers and limit stays are available to suit all sizes and specifications of doorsets.



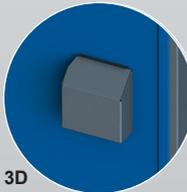
3A



3B



3C



3D

SUBSTATION OPTIONS

- 3A Bladed louvre

- 3B Punched louvre

- 3C Limit stay

- 3D Padlockable lock cover

VISION PANELS

- 152 x 762

- 203 x 762

- 305 x 305

- 457 x 457

- 610 x 610

- 203 x 1067

- 254 x 1219

- 254 x 1524

DDA compliant options are available.

LOUVRES

- Punched

- Bladed

FINISH

Doorsets are available primed or polyester powder coated in a wide range of colours and finishes. Bespoke options include high quality wood-grain and textured effects, as well as Extra Life paint guarantee, underwritten by Cromadex Akzo Nobel.

INSTALLATION

Martin Roberts offer a fully coordinated and comprehensive service. This includes nationwide delivery, and installation by our experienced and professional install engineers. Alternatively, our Capital⁴⁵ doorsets can be provided on a supply only basis.



THRESHOLDS



Folded steel threshold



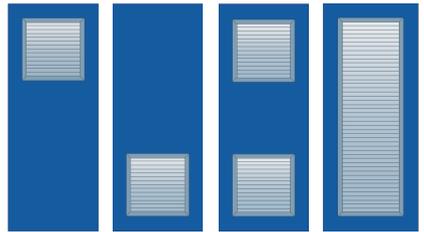
DDA compliant aluminium threshold



Double ramped low profile aluminium threshold

LOUVRE CONFIGURATIONS

Available as punched or bladed louvres.



Insert louvre
top

Insert louvre
bottom

Insert louvre
top & bottom

Insert louvre
large single

SPECIALIST

Most non-standard or customer supplied hardware can be incorporated into Specialist doorsets. These doors can be customised to suit individual needs, with options such as stainless steel construction, coin access panels, and circular vision panels (as pictured above).

Please contact the Martin Roberts sales team to discuss bespoke requirements.

THERMAL

Certain Capital⁴⁵ doors are available with a thermal rating from 2W/m²K to 3.9W/m²K, depending on specification.

ACOUSTIC

Tested by Exova BM TRADA to BS EN ISO 10140-2: 2010, Capital⁴⁵ doors are available with an acoustic accreditation, with RW ratings ranging from 33dB to 36dB, depending on specification.

FIRE & SMOKE

Capital⁴⁵ doors are also available with the optional added benefit of a fire rating from FD180 to FD240. Certified by Exova under the CERTIFIRE scheme, these doors provide integrity fire resistance for up to 240 minutes, as defined by EN1634-1:2008 or BS476: Part 22:1987. All Capital⁴⁵ doors, with or without a fire rating, have passed smoke testing.



Martin Roberts

Trusted manufacturer of
innovative architectural doors
for inspiring buildings.

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