

Steel Hinged Doors

personnel access

fire exits

fire resistant

high security



made to measure

industrial & commercial doors

welcome to Ascot Doors Limited, manufacturer and installer of individually made-to-measure high performance steel hinged doors.

made to measure

Ascot offer the complete service from design, manufacture and installation to on-going service and repair.

unrivalled aesthetics and performance have become the hallmark of Ascot Doors in all applications from personnel access, fire and high security, to energy efficiency and sound reduction, internally and externally.

based in Bolton, UK, Ascot makes purpose-fit doors in it's own factories

using the latest computer controlled production equipment. Together with modern welding techniques and powder coating technology the highest quality standards are applied, not only in products, but in peoples daily work processes.

installation teams undergo rigorous training to ensure that your doors are installed in accordance with LPS 1056, and in all cases, in the most effective and safest manner possible.



Quality Systems Certificate No. 131
Assessed to ISO 9001:2000



Certificate No. 131b
Assessed to LPS 1197



stadia
public buildings
retail parks & utilities
factories & warehouses
hospitals & schools
banks & offices
leisure & sports halls
schools & colleges
water treatment works

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steel hinged doors

Ascot fire and non-fire rated steel hinged doors for internal and external applications combine strength with elegance and durability with cost effectiveness.

proven in a wide variety of buildings where safety, security and aesthetics can't be met by traditional timber doors. Ascot steel doors are hard wearing and designed to cope with high traffic levels. Doors can be fitted with door furniture to meet the most demanding specifications.

A resilient polyester powder coat base primer onto a zinc coated steel substrate reduces maintenance and improves the life of the finished coat. A factory applied polyester top coat or paint to most BS or RAL colours is available as an option.



LPS1175 security rated

where security has to be given the upmost priority. Ascot high security steel doors are insurance approved by the Loss Prevention Certification Board to LPS 1175 security rating level category SR3 and SR4.

non fire resistant

innovative design, in-built adaptability with co-ordinated hardware have led to a generation of doors which are as pleasant to look at as they are fit for purpose, for years of robust service. Individually made to specification to fit any door opening, Ascot steel hinged doors don't shrink, warp or twist, they are immune to insect attack and will not support bacteria, mould or fungi.

non fire range

A500	fire exit & personnel hinged door medium/heavy duty
A510	fire exit & personnel hinged door heavy duty
A515	insulated hinged door
A520	insulated hinged door
A550	acoustic hinged door



fire rated - 240 minutes

flush faced, attractive, available as single or double door sets with a four hour fire rating. Ascot fire rated steel hinged doors provide a robust, durable door, available with a wide range of options and finishes and an extensive variety of ironmongery for escape and security functions as well as fire for all commercial and industrial buildings.

fire range

rated up to 240 minutes

A400	fire rated hinged door
A410	unlatched fire rated hinged door





steel hinged doors technical specifications

fire doors - 240 minutes

tested by the Loss Prevention Council (LPC) to BS EN476: parts 20 and 22: & BS EN 1634/1 for up to four hours fire resistance on single, double and leaf-and-a-half doors with or without solid overpanel in latched or unlatched condition. Ascot fire doors are made for high traffic volumes and can be fitted with a variety of door furniture. Smoke seals can be fitted to the head, jambs and thresholds to ensure a high level of smoke resistance.

security

as standard, and only at Ascot doors include a unique full height astragal double leaf anti-penetration design to prevent jemmying. Stainless steel dog-bolt hinges, increased skin thicknesses and anti-jemmi channels are available as options to the standard door.

door and frame construction

our unique and carefully constructed door, is finished to provide a 46 mm thick flush edge composite leaf. Skin thickness at the vulnerable edges is the thickest available and comes as standard at Ascot.

standard door and frame skins are Zintec. Where high corrosion resistance is a prerequisite, Aluzinc or galvanised steel is used. Each door leaf is supported with three 102 x 76 high load ball race hinges to BS EN1935 Class 13, with a wide choice of hardware and core infills. Doors are assembled from a double tray to provide an edge thickness of 4.6 mm for maximum strength.

infills

a choice of core infills are bonded into the door, whether it's honeycomb for strength and fire protection, mineral wool for economy and sound proofing or eurothane block for reduced heat loss, the technical team can advise on the best infill for the application.



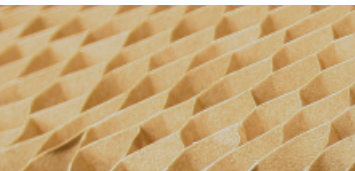
door profile



stainless steel hinge
(standard)



stainless steel dog bolt hinge
(security)



honeycomb
standard infill

A500/A510
fire rated 240 minutes

A400/A410
seamless stress impregnated

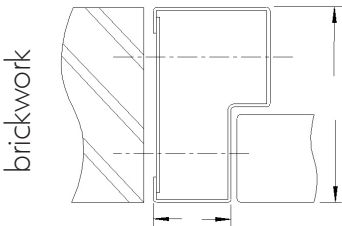


mineral wool
(reduces heat loss & acoustics)

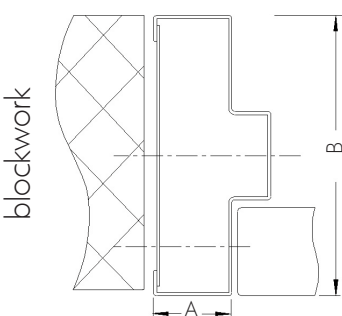
A520/A550



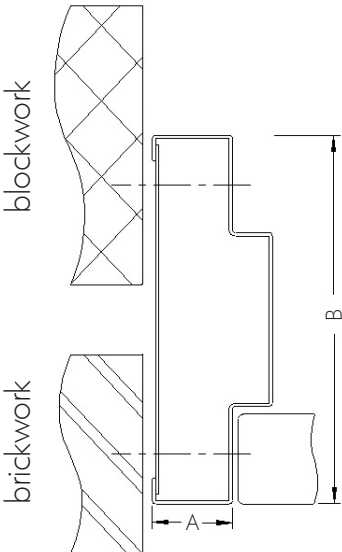
urethane block
(reduces heat loss & acoustics)
A520/A550



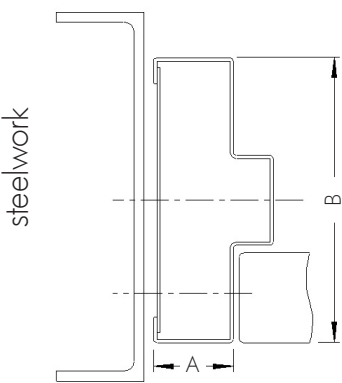
single rebate profile SR2



double rebate profile DR1



double rebate profile DR3



double rebate profile DR3

frame profile

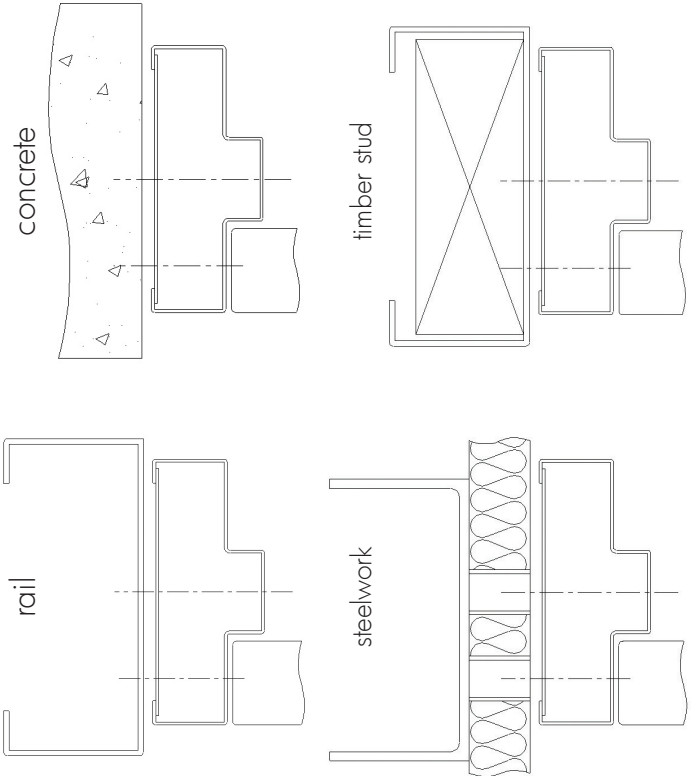
a 1.5 mm thick, single or double rebate folded steel section is fitted with butt joints at the head. Each frame is provided with fixing plates welded into the back of the frame for installation into conventional openings by fixing bolts, packing and shims. Frame faces are 40 mm wide as standard, other frame face widths from 20 to 60 mm are available.

frame sizes door reference	A frame face width	B frame face width
SR1	20-60	127
SR2	20-60	100
SR3	20-60	85
DR1	20-60	143
DR2	20-60	143
DR3	20-60	185
DR4	20-60	225
DR5	20-60	250
DR6	20-60	275
DR7	20-60	300

more sizes available, ask technical

fixing arrangements

installing frames to any type of wall construction is possible using a combination of fixings and frame design. Brickwork standard size 100 mm and blockwork 140 mm, other thickness are accommodated.



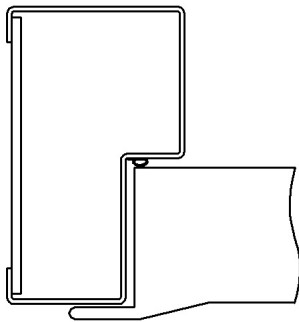
astragals and handing

integral astragal meeting styles - only at Ascot

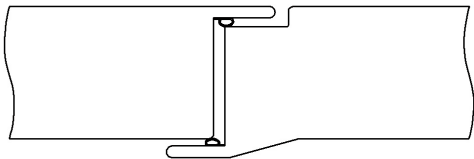
the Ascot market leading integral astragal gives added security protection and is fitted as standard on all doors, single and double. Unlike a rivetted or screwed-on astragal, the integral over-lap provides added security from latch manipulation and cuts down on space heat loss.

door widths

maximum seamless single door 1,400 wide, maximum seamless double door 2,770 wide, wider seamed doors available to any width*



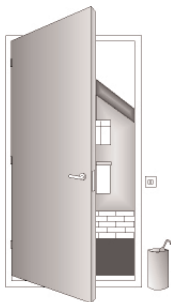
single door meeting style astragal



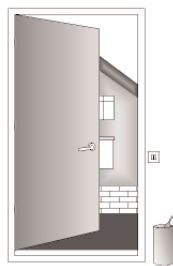
double door meeting style astragal

handing

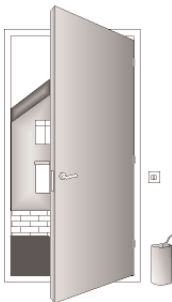
a simple rule to determine the handing of a door-sets - stand in front of the closed door or the side where you can see the hinge knuckles. If they are to the right, it is a right hand door - if they are to the left, it is a left hand door. Any door handing styles are available in single and double door sets



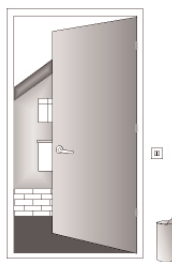
left hand inward opening



right hand outward opening



right hand inward opening



left hand outward opening

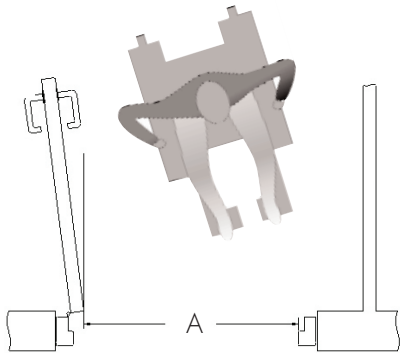


less drafts
added security
reduced heat loss
only at Ascot

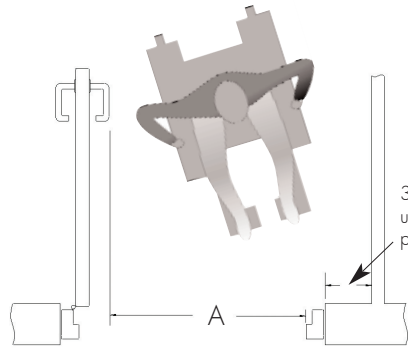
access

disabled access

effective clear widths take into account the projection of hardware ironmongery from the face of the door. Only hardware that is within the zone affecting a wheelchair user need be considered. Minimum dimensions complying with BS 8300, Advisory Documents M & B - disabled access & fire exits.



effective clear width diag. 1



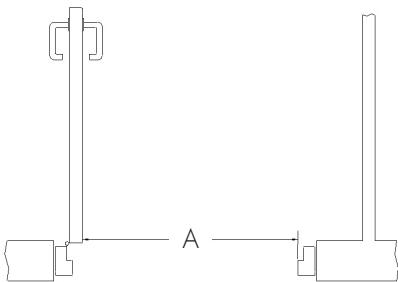
effective clear width diag. 2

minimum effective clear widths of doors
advisory document M

direction & width of approach	A structural opening width mm					
	new buildings	diag 1	diag 2	existing buildings	diag 1	diag 2
straight-on (without a turn or oblique approach)	800	965	1065	750	915	1015
at right angles to an access route at least 1500 mm wide	800	965	1065	750	915	1015
at right angles to an access route at least 1200 mm wide	825	990	1090	775	940	1040
external doors to buildings used by general public	1000	1165	1265	775	940	1040

source DHF guide to approved document M

fire exit openings



effective clear width diag 3

minimum effective clear widths of doors
advisory document B

no of persons to exit	A structural opening width mm	
	clear width required	diag 3
50	750	915
110	850	1015
220	1050	1215
220	1050	1215
>220	1050+5 per person	+165 to clear width required

source DHF guide to approved document B

door configurations

profiles

doorset profiles are made to suit any configuration, a varied combination of louvers and vision panels are available to suit the application, here are a few common examples:

vision panels

standard or bespoke door-set shapes are sized to specification. Ascot can supply a wide range and variety of vision shapes. A maximum glazed area applies to fire rated door-sets but is generous enough to meet most needs. Our standard non-fire rated glass is 6.4 mm thick clear laminate. The double glazed units are made from a 6 mm toughened outer plane and 6.4 mm clear laminated inner. Other glass types and reflective films are available. Ascot's fire rated glass is 9 mm thick clear laminated Firelite (TM).

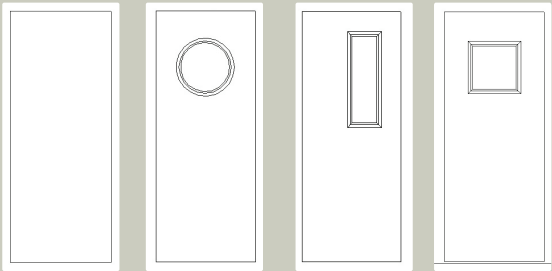
louvered panels

steel or aluminium louvers complete with bird and insect mesh, as required in any size and position are made to insert into any style of door and finished primer or powder coat. Louvre can be fire rated up to 60 minutes. All louvers, except the smallest, give 50% free air.

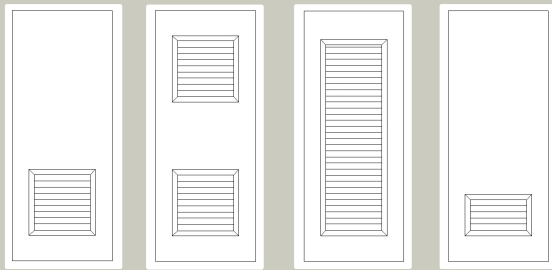
over & side panels

doors and frames are to measure any combination of side-panels and over-panels to suit the application is available to acomodate the opening.

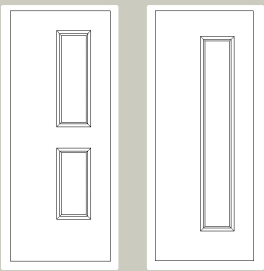
pic of over or side panel door



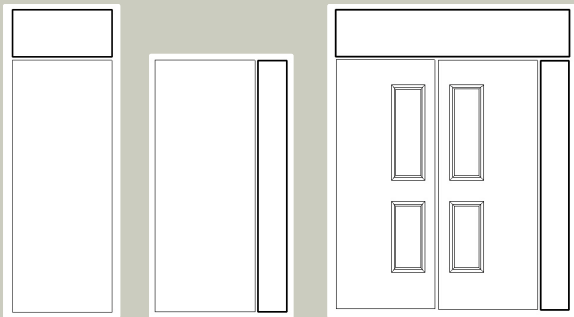
plain round vision safety vision square vision



louvre bottom louvre top & bottom louvre full louvre small



advisory document M disabled compliant



side & over panels single doors side & over panels double doors

- lock cases BS EN 12209
- cylinders BS EN 1303
- panic hardware BS EN 1125 & BS EN179
- closers BS EN 1154
- door co-ordinators BS EN 1158
- levers BS EN 1906
- pull handles satin stainless steel
- AD M compliant ironmongery



lock cylinder & case
stainless steel high security dead lock
with AD M compliant handle



lock cylinder
stainless steel high
security lock



panic bolt
used on single or double doors
with morticed latch



22 mm safety lever
complies with disabled AD M



pull handle
AD M compliant



inactive leaf flush bolt



friction stay



door selector
used on push side of double
doors when closers are fitted.



door closer
required on fire doors
in most cases



door selector
used on pull side of double
doors when closers are fitted.

door hardware

a full range of hardware, including disabled compliance ironmongery in stainless steel or aluminium as an option is available. Alternatively, Ascot can prepare your door to accept client free issue or specified hardware.

ironmongery is located to comply with AD M & B. All standard lock cases, pull and lever handles, push plates, and escutcheons are made from stainless steel and meet BS EN 8300 and AD M compliant. Standard ironmongery is positioned on the door leaf in accordance with Advisory Document B for fire exits. For advice on advisory documents B, M and L2, please call the technical team.

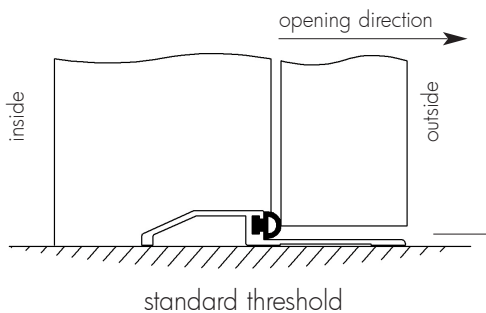
controlled access doors can be fitted with mechanical digital locks or electrically operated hardware such as magnetic locks, electrical strikes, solenoid locks or bolts controlled by either electronic keypad, card swipe, card reader or fob. We recommend door closers where these features are specified.

signs

rigid plastic, aluminium or stainless steel signage is fitted as required by the application.



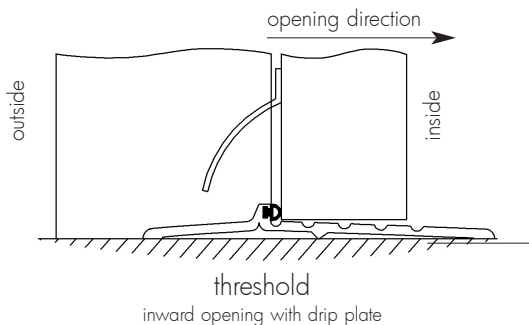
thresholds, seal options & finishes



threshold options

a wide range of low level thresholds for internal and external use that satisfy the requirements of Approved Documents 'M' for wheelchair disabled users is available. Thresholds are offered in a mill finished aluminium, other finishes are available .

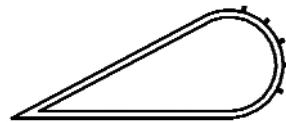
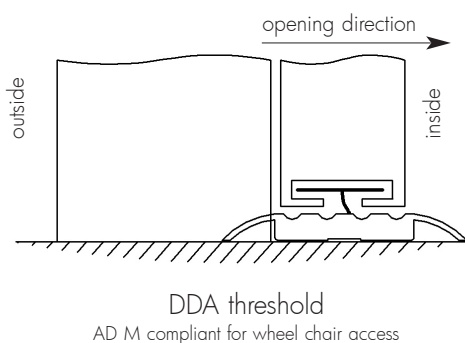
a low level threshold is ideally suited for external applications and incorporates the a rubber seal for improved weather sealing, thermal insulation, acoustic and smoke sealing performances.



for internal use, the Threshold strip provides a simple low level solution where there is a change of floor finish or to improve ease of operation and increases the working life of the door-set. By fitting drip seals or door shoes, smoke sealing or acoustic performance requirements can be meet.

sealing

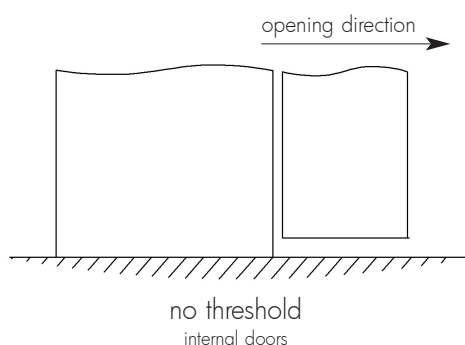
for improved weather sealing, smoke, thermal insulation and acoustic sealing performances we recommend fitting closed cell neoprene seals for external and internal applications.



fire seal

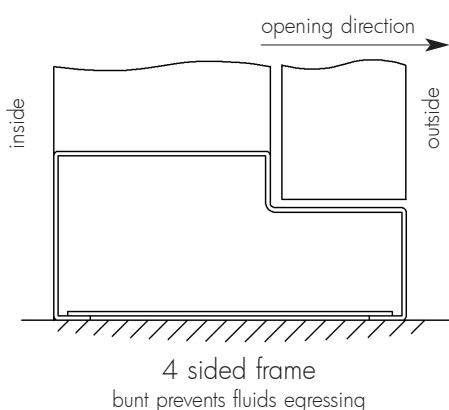


P weather seal



door and frame finishes

the extensive range of Ascot steel doors and frames are coated in polyester powder coat primer to RAL 7004 (beige) 20 microns thick for the most severe weather locations. Finish top coat to 40 microns in powder coat, factory finish paint or on-site paint in any BS or RAL reference is available.



for doors sited within 5 Km of the coast and areas such as abattoir, swimming pools and water treatment works, we recommend that an additional marine grade powder undercoat 40 microns thick is applied, in addition to Aluzinc to BS EN 10327 AZ150G sheet steel as the base material.

Ascot Service and Repair

fast and reliable for peace of mind

to ensure your doors are maintained in good working order, our UK-wide network of Service Centres are strategically placed to provide the fastest possible response time. If you have a breakdown our stocked service vans can be at your site fixing your door, fast.

repairs

damaged doors cause downtime to operations, whether it's people traffic or moving goods in and out buildings. Business today is moving faster, damage and malfunctions must be repaired quickly and professionally by trained technicians, whether it's one of our doors or another make, Ascot Service and Repair can fix it.

maintenance agreements

a maintenance agreement offers regular service levels to make sure the frequency of door usage is maintained and to diagnose problems before failure and disturbance to traffic flows occurs. Planned regular maintenance increases functionality and reduces expensive downtime.

upgrades and replacements

in time, your door requirements will change. Improvements in operations and technology will place greater demands on movements in and out of buildings. Whether it's moving or resizing doors, changing or adding safety and security features the Ascot Service and Repair team can handle it.

nationwide

our nationwide service centre network attend scheduled maintenance visits, on-site repairs and emergency call-outs, within 24 hours. With over 25 years experience manufacturing, installing and repairing doors and 12 service centres, Ascot is the ideal partner you can rely on to maintain your industrial, commercial and retail doors.

spare parts

a comprehensive spare parts distribution network, together with well stocked service vans means we get parts to your site within 24 hours of ordering.



contact service:

0870 555 6644

service@ascotdoors.co.uk

The Ascot Range

Ascot offer a broad selection of doors to suit any commercial, retail or industrial application. We are happy to take you through any application requirement and the regulatory standard required for each door

steel hinged doors

service and repair

roller shutters

fast acting doors

sectional doors

high security doors

fire shutters and doors

dock levellers



service centres

North East

Unit 1C, Dean & Chapter Industrial Estate
Ferryhill, County Durham DL17 8LN
Tel: 0174 065 7171
Fax: 0174 065 7931

Scotland

Unit 59, Evans Business Centre, Bellshill Ind Est
Bellshill, Lanarkshire ML4 3NP
Tel: 0125 278 6400
Fax: 0125 278 6440

**24/7 service &
parts hotline
0870 555 6644**

North West & National Accounts

Unit 1, Viola Street, Astley Bridge
Bolton BL1 8 NG
Tel: 0120 430 9908
Fax: 0120 430 0532

Yorkshire

Unit 20, Grange Lane Industrial Estate
Stairfoot Barnsley, S71 5AS
Tel: 0122 624 6667
Fax: 0122 624 8271

West Midlands

Unit 18, Block B, Wednesbury Trad. Est.
Wednesbury, Birmingham WS10 7JN
Tel: 0121 502 5934
Fax: 0121 502 5931

Midlands

Unit 7 Oaks industrial Estate,
Coalville, Leicester LE67 3NQ
Tel: 0153 081 7682
Fax: 0153 081 7680

South Central

Unit 2, Lennox Industrial Mall, Lennox Road
Basingstoke RG22 4DF
Tel: 0125 632 2566
Fax: 0125 635 3002

East Anglia

Unit G3, Seedbed Centre, Wyncolls Road,
Colchester CO4 9HT
Tel: 0120 430 9908
Fax: 0120 430 0532

South West

Unit 21, Blake Mill Business Park,
Brue Avenue, Bridgewater TA6 5LT
Tel: 0127 843 9313
Fax: 0127 843 9200

London

Unit L, The Business Centre, Faringdon Ave
Harold Hill, Romford RM3 8EN
Tel: 0121 502 5934
Fax: 0121 502 5931

South East

Unit 36, Thomas Way, Lakesview Business Park
Hersdon, Nr. Canterbury CT3 4JZ
Tel: TBA
Fax: TBA



head office

Ascot Doors Limited
Britannia Way Industrial Park
Union Road, Bolton, BL2 2HE
Tel: 0870 555 6644
Fax: 0120 454 5800
www.ascotdoors.co.uk

