



Simple Solutions.  
Powershield **Personnel Doors.**

**Powershield**

**ASSA ABLOY**

ASSA ABLOY, the global leader  
in door opening solutions



We are continually raising the design, production and installation standards of our steel doors and steel glazing systems to new levels.

Powershield is at the forefront in the design, manufacture and installation of steel doors and steel glazing systems for customers in the commercial, industrial and public sectors.

Our doors have been used on many prestigious projects throughout the world and by numerous high profile clients, including:

- Coca-Cola
- Glaxo Smithkline
- Intel
- BMW
- Arsenal Emirates Stadium
- Royal Bank of Scotland

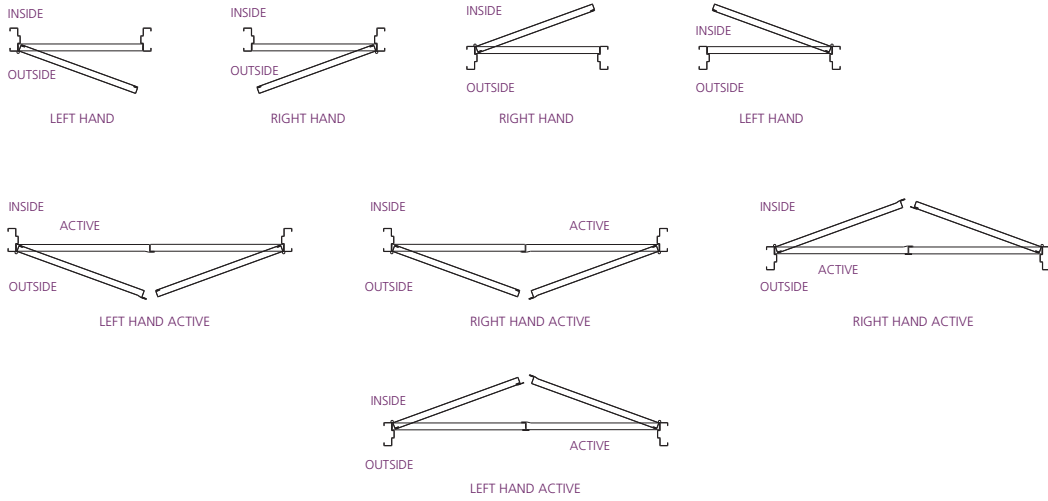
**Powershield Personnel Doors** have been developed by our in-house design team to provide customers with doors and frames that offer high performance, exceptional quality and longer life expectancy.

Our attention to detail in both customer service and product quality has gained us a reputation as a market leader in hinged steel doors.

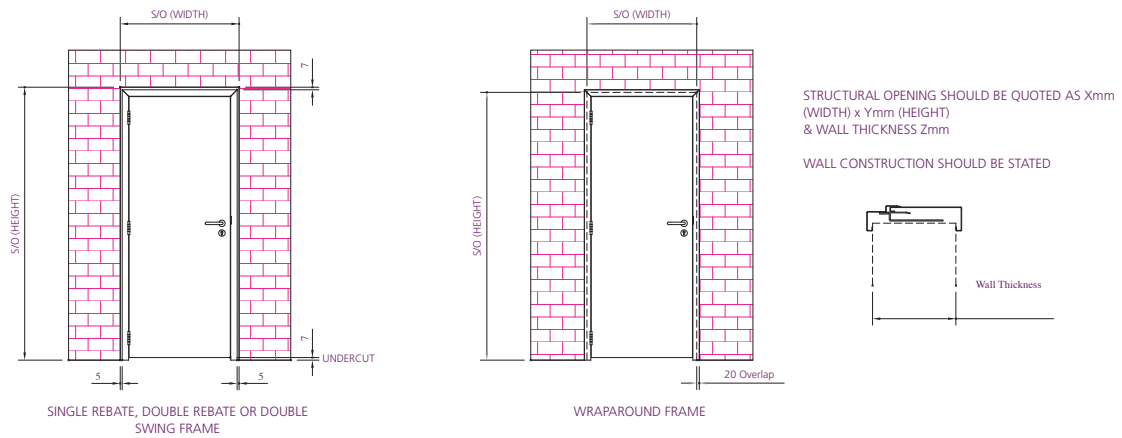
Unlike many of our competitors, we manufacture all of our products in-house. This means that we can supply a wide range of options and sizes through our **Fast-Trac** dispatch system.

Powershield is committed to maintaining high quality throughout its production processes and to providing exemplary levels of customer service.

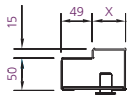
# Handings.



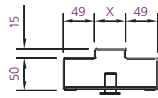
# Tolerances.



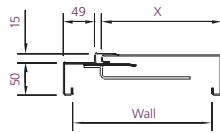
# Frame Profiles of Powershield Personnel doors.



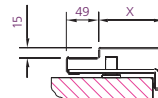
SINGLE REBATE



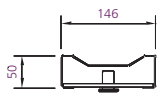
DOUBLE REBATE



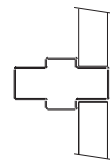
WRAPAROUND



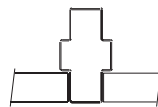
HALF WRAPAROUND



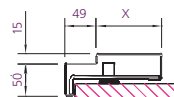
DOUBLE SWING



OVERHEAD PANEL TRANSOM

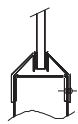


SIDE PANEL MULLION

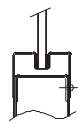


HALF WRAPAROUND

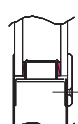
## Vision Panels & Louvre Options



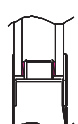
TYPE 1A



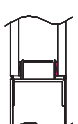
TYPE 1B



TYPE 2



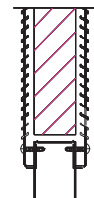
TYPE 3A



TYPE 3B



STANDARD LOUVRE (FREE AIR FLOW 50%)



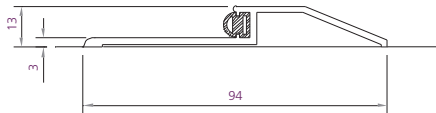
FIREBLOCK LOUVRE

## Double Door Integral Astragal

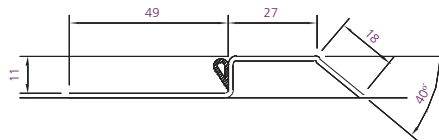


DOUBLE DOOR INTEGRAL ASTRAGAL

## Threshold Options

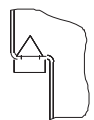


LOW PROFILE ALUMINIUM DDA COMPLIANT



LOW PROFILE STEEL DDA COMPLIANT

## Standard Seals



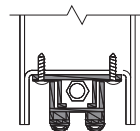
DOOR SILENCER



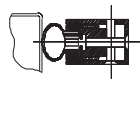
EPDM DRAUGHT SEAL



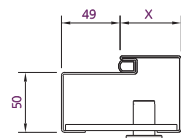
1885 SMOKE SEAL



INTEGRAL DROP SEAL



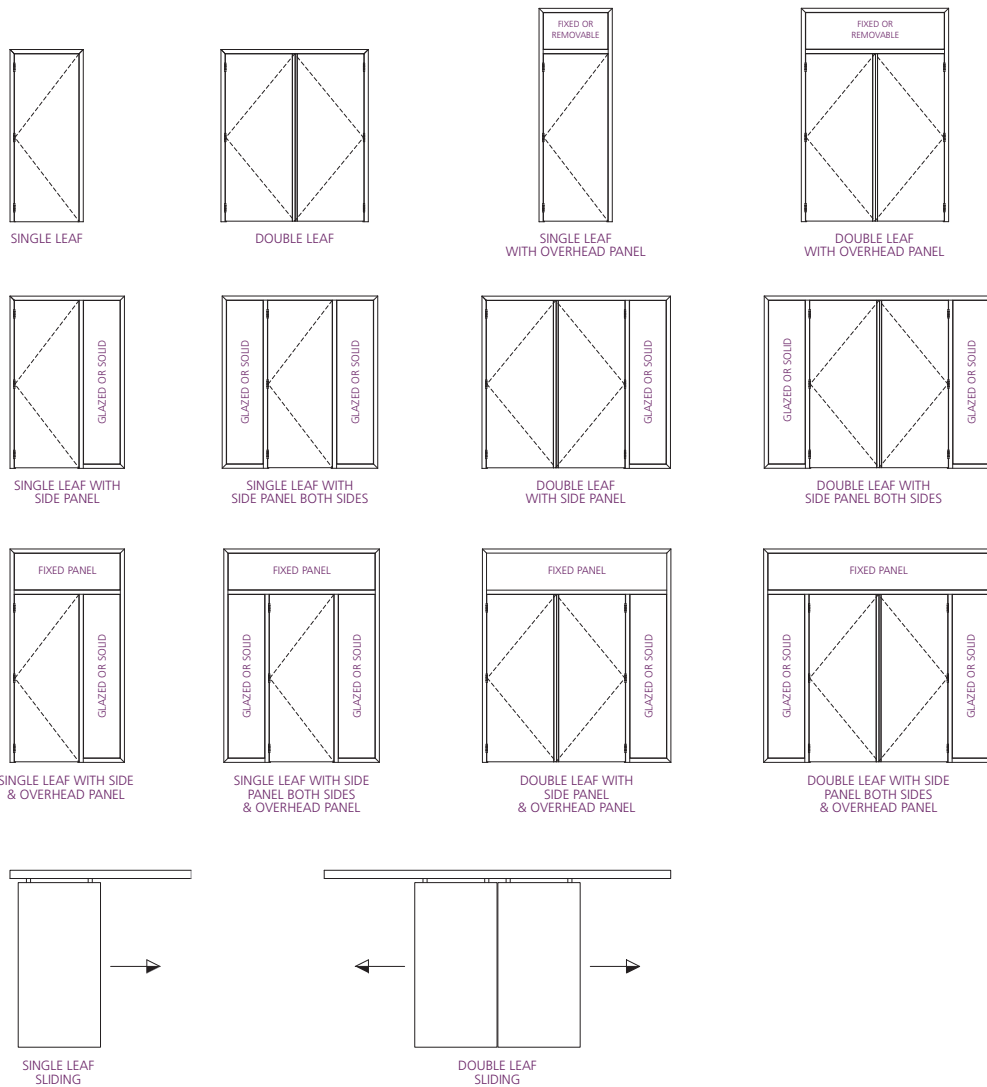
ACOUSTIC FRAME SEAL



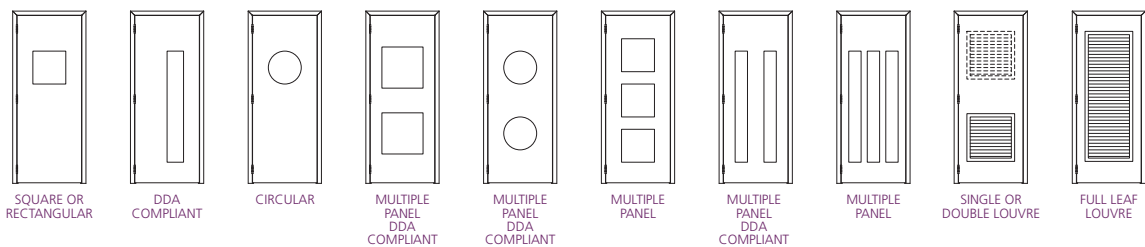
INTEGRAL FRAME SEAL

# Door Configurations & Glazing Options of Powershield Personnel doors.

## Door Configurations



## Glazing Options



# Standard Hardware of Powershield Personnel doors.

## Emergency Escape



**Single Panic Latch**  
Single point latch with panic bar.  
(Complies with BS EN 1125)



**Single Panic Bolt**  
Two point locking (top and bottom shoot bolts) with panic bar.  
(Complies with BS EN 1125)



**Single Push Pad Panic Latch**  
Single point latch with pushpad.  
(Complies with BS EN 179)



**Double Panic Bolt**  
Panic bolt and latch to suit double leaf with rebated meeting stile.  
(Complies with BS EN 1125)



**Single Panic Touchbar Latch**  
Single point latch with panic bar.  
(Complies with BS EN 1125)



**Single Panic Touchbar Bolt**  
Two point locking (top and bottom shoot bolts) with panic bar.  
(Complies with BS EN 1125)



**Outside Access Device**  
To suit panic latch or bolt (fixed cylinder).



**Outside Access Device**  
To suit panic latch or bolt (standard euro cylinders).



**Outside Access Device**  
To suit touchbar latch or bolt (with euro profile cylinders).

## Closers and Stays



**Door Closer**  
Light, medium and heavy duty door closer. SAA body, variable backcheck and hold open options available.



**Friction Door Holder**  
Door Limiting Stay.  
Wind Restrictor.

A wider range of hardware is available on request

# Standard Hardware of Powershield **Personnel doors.**

## Standard Locks/Latches



**Mortice Sashlock**  
Latchbolt withdrawn by lever handles from either side.  
Deadbolt operated by cylinder key or thumbturn.



**Mortice Nightlatch**  
Latchbolt withdrawn by lever handle inside and by key from outside.  
(Complies with BS EN 179)



**Mortice Deadlock**  
Deadbolt operated by cylinder key or thumbturn.



**Mortice Bathroom Lock**  
Latchbolt withdrawn by lever handles from either side.  
Deadbolt operated by turn or emergency release.



**Mortice Latch**  
Latchbolt withdrawn by lever handles from either side.



**Euro Profile Cylinders**  
5-pin single, double or cylinder and turn.  
(Available keyed-alike or masterkeyed to special order)



**Flush Bolts**  
Fire rated and non fire rated for double leaf doors.

## Handles



**Pull Handles**  
19mm or 22mm D-shape or off-set D-shape stainless steel finish.

## Miscellaneous



**Push Plates**  
Push/kick plate.  
Finger pull.  
Escutcheon.

# Technical specification of Powershield Personnel doors.

## Material Types

- 1.2mm - 2mm Galvatite ZF 'Galvanneal' to EN 10142:2000
- 1.2mm - 4mm Stainless Steel Grade 304 (1.4301) to EN 58E
- 1.2mm - 4mm Stainless Steel Grade 316 (1.4401) to EN 58H

## Finishes

- Epoxy Powder Primed Finish
- Polyester Powder Coated Finish
- Satin Polish 180-240 grit (Stainless Steel Only)
- 'Rimex' Patterned Finish (Stainless Steel Only)

## Standard Leaf Construction



- Two skins of 1.2mm (18ga.) thick steel
- 44mm thick door leaf with no face seams
- Doors are stiffened, insulated and sound deadened with pre-expanded, small cell honeycomb core material and laminated under pressure to the face skins
- Face skins are connected by a continuous 'deep pocket' interlocking edge lock seam for added strength and durability
- 1.6mm (16ga.) steel end channels projection welded to the top and bottom of the door
- Door edges are bevelled for ease of operation and close fit
- Doors are morticed, reinforced, drilled and tapped for three templated hinges
- On double doors, an astragal is folded into the leading edge of one leaf to ensure a totally sealed unit



## Standard Frame Construction



- Manufactured from 1.5mm (16ga.) steel with single, double rebate or wraparound profile
- Supplied in either knock down or fully welded smooth finish
- Frames are morticed, reinforced, drilled and tapped for hinges and strikes
- Frames are provided with four fixings per jamb, built-in adjustment and complete with cover caps

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