

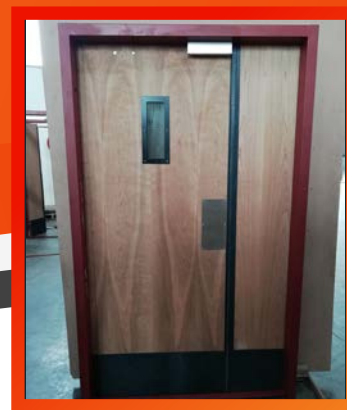
**STRONGHOLD**

Fire & Security cc



# FIRE DOOR **BROCHURE**

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## MANUFACTURING | SUPPLY & INSTALLATION OF IRONMONGERY | INSTALLATION OF DOORS

### FIRE DOORS | DOOR HARDWARE

Stronghold manufactures and installs a wide variety of fire doors to meet the requirements of the various industries; Commercial, Industrial, Medical, Hospitality and Security. The ironmongery fitted to the fire door is a key factor to the integrity of your fire door and should be fire rated. Non-fire rated ironmongery will cause your door to fail in case of a fire.

### TOTAL DOOR SOLUTION

Our sales team are experienced to cover all aspects of the design and construction of your fire doors; from ensuring correct door and ironmongery specification, through manufacture, installation and successful project completion.

### ADAPTABILITY & FLEXIBILITY

Our capacity to adapt to customer needs has been a significant factor in our success. We understand that not all projects are the same. Our door solutions are tailor made to meet your requirements and ensure full regulatory compliance.

### QUALITY & DURABILITY

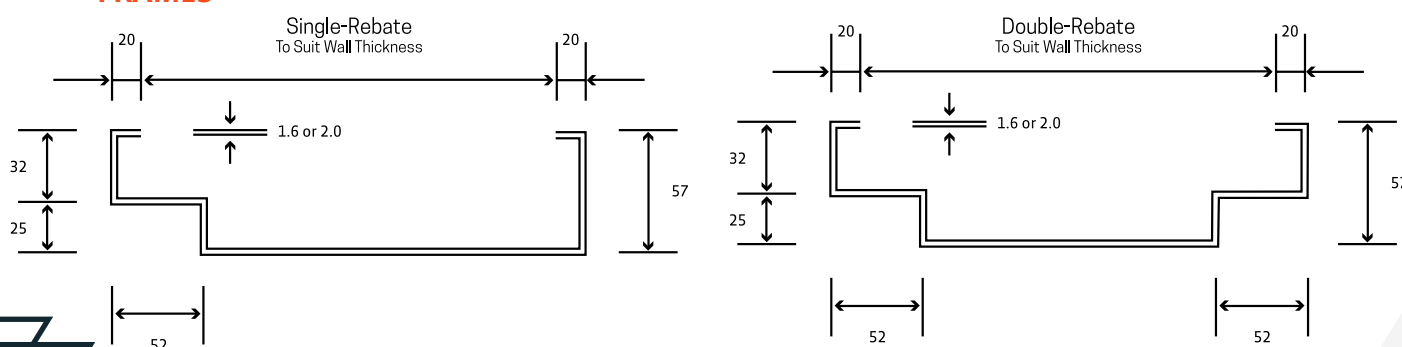
With many years of knowledge in specialist bespoke door systems, we have come to realise that the strength and durability of a fire door, lies within the pre-assembly preparation. Reinforcing the core and strategically inserting various preps to take ironmongery is paramount to the longevity of our doors.

### DOORS EXPOSED TO THE ELEMENTS

Standard fire door finishes will not stand up to harsh environments and therefore, needs to be protected to prolong the life of your door.

All external doors must be clad with galvanized or stainless steel sheeting and full surround channel to protect the edges.

### FRAMES



# Fire doors which fail, cost lives and property



CLASS	Minimum resistance period in minutes				View
	Stability	Integrity	Insulation	Impact Test	
A	60	30	30	Not Req	100x300
B	120	60	60	Not Req	100x300
C	120	120	Not Req	Not Req	100x300
D	120	120	120	Yes	Not Allowed
E	30	30	30	Not Req	100x300
F	30	30	Not Req	Not Req	100x300

## Classification - National Test Standard

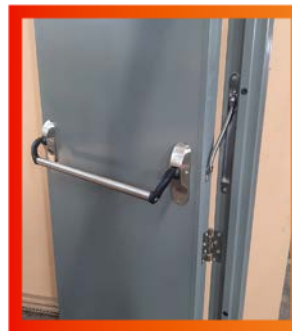
**Stability:** The ability to fulfil its design function, of keeping an opening closed, in the face of fire so that no fissure or opening, wider than 25mm develops.

**Integrity:** Enables a door to resist fire, without the development of perpendicular, through openings wider than 6 mm and longer in total, than the largest dimension of the door

**Insulation:** The ability to prevent the transmission of enough heat to raise the unexposed, face temperature, by more than 140 °C above the initial temperature.

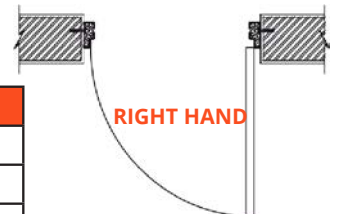
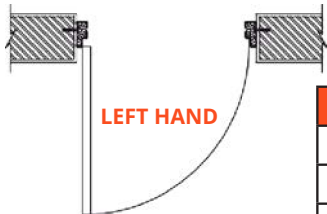
**Impact Test:** Enables the door to resist two successive impacts of a sandbag 250mm in diameter and a mass of 27kg without the formation of any opening wider than 25mm.

\*For further details the test is fully described in the South African National Standards



## To determine the hand of a single door or a double door:

Stand in front of the door with the door opening TOWARDS yourself. The 'hand' of a single door is determined by the side on which the hinges are exposed.



Door Finishes	Standard Door Sizes	Hinges	Ironmongery
Masonite, 813 x 2032	FR Hinges 3mm, S/Steel Panic Bolts		
Timber Veneers, 900 x 2032, Std Door (1.5 pr)	Door Closers		
Laminates, 1511 x 2032, Doors, W900 + (2 prs)	Handles		
Chromadek, 1613 x 2032, Doors, H2200 + (2 prs)	Lock Sets		
Stainless Steel, 1800 x 2032, Knob cylinder,	Galvanized Cladding	FD Continuous Hinges	Access Control
Powder Coated	High Traffic Doors	As specified	*Non-fire rated ironmongery will cause your door to fail in the case of a fire."

## CONTACT INFORMATION

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Registration No: 2006/161602/23

Products and Services

- Fire Doors • Escape Doors
- Transformer Doors • Hospital Doors
- Anti-bandit Doors • Seclusion Doors
- Lead Lined Doors • Hospitality Doors
- Steel Doors • Acoustic Doors
- Ironmongery • Insulated Doors
- Door Hardware • Security Doors

Services

Site Surveys

Fire + Escape Door Maintenance

Door Installations

Factory + On-site Door Hardware Installations

Prepping Doors to take specialised Ironmongery

Management of poor installations

Export - SADC



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Designed By

