

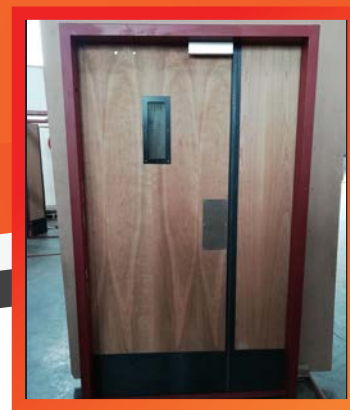
**STRONGHOLD**

Fire & Security cc



FIRE DOOR  
**BROCHURE**

---



## 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

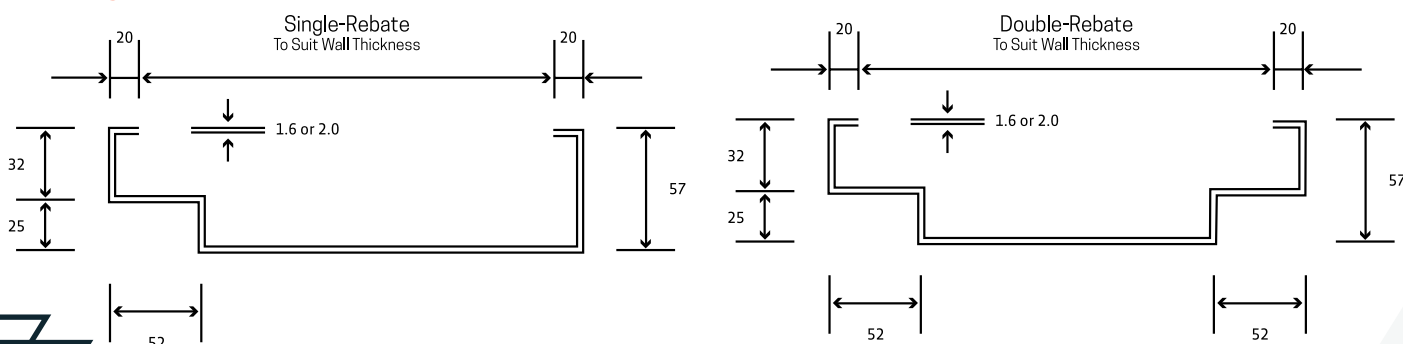
With many years of knowledge in specialist bespoke door systems, we have come to realise that the strength and durability of a fire door, lies within the pre-assembly preparation. Reinforcing the core and strategically inserting various preps to take ironmongery is paramount to the longevity of our doors.

### 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 |           |            |             |             |
|-------|--------------------------------------|-----------|------------|-------------|-------------|
|       | Stability                            | Integrity | Insulation | Impact Test | View        |
| 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**

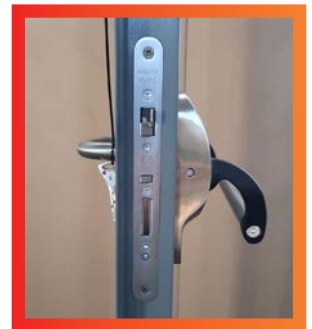
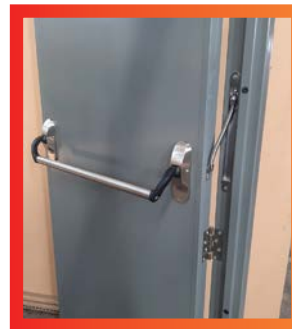
**Stability:** The ability to fulfill its design function, of keeping an opening closed, in the face of fire so that no fissure or opening, wider than 25mm develops.

**Integrity:** Enables a door to resist fire, without the development of perpendicular, through openings wider than 6mm 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.

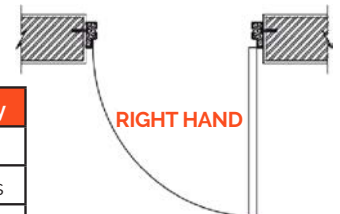
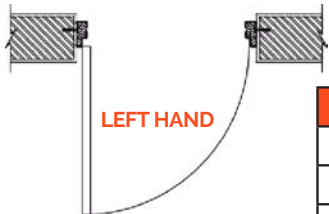
**Impact Test:** Enables the door to resist two successive impacts of a sandbag 250mm in diameter and a mass of 27kg without the formation of any opening wider than 25mm.

\*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.\*

Business Address: 10 Gerhardus Rd  
Henville  
Germiston  
1429

Postal Address: Stronghold Fire & Security cc  
Postnet Suite 316  
Private Bag X1  
East Rand  
1462

Tel: 011 822 2570

Sales Team:

Elmarie: 082 566 2913  
sales@strongholdfs.co.za

Louise: 082 565 6274  
sales2@strongholdfs.co.za

Technical:

Sean: 082 878 8619  
sean@strongholdfs.co.za

Website: [www.strongholdfs.co.za](http://www.strongholdfs.co.za)

VAT No: 4730232149  
Registration No: 2006/161602/23

Products and Services

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

