

**STRONGHOLD**

Fire & Security cc



LEAD LINED DOOR  
**BROCHURE**



## COMMERCIAL GRADE RADIATION SHIELDED DOORS

Stronghold Fire & Security are the leading manufacturer of commercial grade lead lined doors in South Africa. We provide radiation shielded door solutions tailored to meet your specifications. Doors supplied by SFS can meet the stringent requirements for radiation shielding, fire protection, impact resistance, hygiene control, sound reduction, air-pressure and privacy.

## OUR DOORS ARE SUITABLE FOR APPLICATIONS IN :

- Dental Surgeries
- OPG/CBCT Rooms
- Operating Theatres
- Diagnostic Imaging (X-ray, CT Scan rooms)
- PET Facilities
- Laboratories
- Veterinary Clinics

## CUSTOM MADE AND QUALITY ASSURED

We offer wide range of x-ray radiation shielded lead lined doors, designed for use in industrial and healthcare industries. Available as sliding or hinged, all doors are manufactured to the clients specification.

## LEAD GAUGE

- To meet specifications as per the Radiation Shielding Design Report.
- Solid core doors from 10kg.m<sup>2</sup> (0.88mm) up to 25kg.m<sup>2</sup> (2.2mm) lead lined.
- Specialty heavy shielded doors 30kg.m<sup>2</sup> (2.64mm) + available upon request.

## DOOR FINISH

- Custom dimensions and thickness (Min 40mm thick for standard lead gauges).
- MDF Paint grade skins as standard.
- Laminate, Veneer Ply, Stainless Steel and other various door protection options.

## ACCESSORIES

- Door Closer – Factory fitted
- Handle & Locks – Factory fitted
- Manual or Automated Sliding Gear Systems

Special preparation and precaution must be followed when fitting accessories onto your Lead Lined doors and is therefore, crucial to the integrity of the door, that these are fitted by the manufacturer.

## OTHER OPTIONS

- 2HR Fire Rated doors available (-/120/30)
- 1.6Pb and 2.2Pb Lead Equivalent Glass viewing panels
- Supply and installation of drop seals.



### Recommended Lead Sheet Thickness' for X-Ray Rooms

X-Rays Generated by Peak	Minimum Thickness of Lead		Weight per Square
Voltages Not Exceeding	Millimeter	Inches	KG/M2
75 kv	1	0.039	12.21
100 kv	1.5	0.059	19.53
125 kv	2	0.079	24.41
150kv	2.5	0.093	34.18
175 kv	3	0.118	39.06
200 kv	4	0.157	48.42
225 kv	5	0.197	63.47
300 kv	9	0.354	117.18
400 kv	15	0.591	185.53
600 kv	34	1.343	395.48
900 kv	51	2	585.89

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

