



# 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	
Voltages Not Exceeding	Millimeter	Inches	Weight per Square
75 kv	10.03	912.21	
100 kv	1.50	05919.53	
125 kv	20.07	924.41	
150kv	2.5	0.093 34.18	
175 kv	30.11	839.06	
200 kv	40.15	748.42	
225 kv	50.19	763.47	
300 kv	90.35	4117.18	
400 kv	150.59	1185.53	
600 kv	341.34	3395.48	
900 kv	512	585.89	



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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