



## Doors and Windows



Hermetic Sealed Swing Door

Manual Sliding Door

Automatic Sliding Door

Lead Lined Door

Laminate Door

Fire Door

Glazed Door

Hermetically Sealed Windows



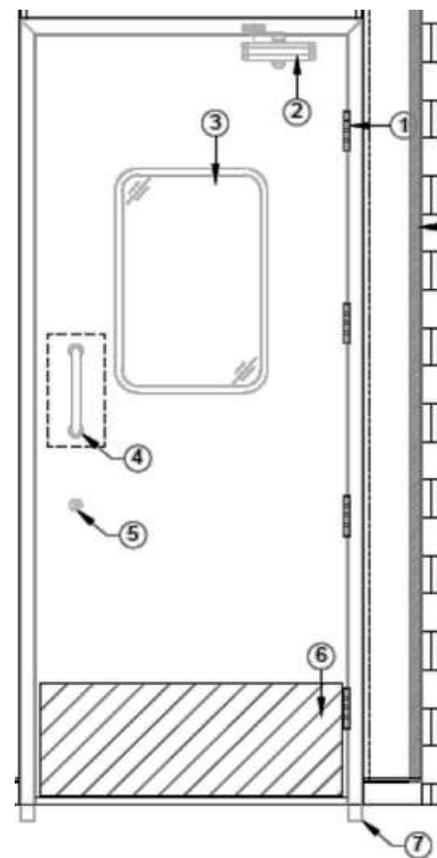
The door leaves are filled with Highly-compressed polyurethane foam, providing thermal and acoustic insulation at the same time, assuring light weight and rigidity of the leaf.

The doors are tailored to individual customer's requirements: the dimensions, different shapes, and sizes of vision windows, door handles, door frames

## Hermetic Sealed Swing Door

### Specifications

MOC	S.S.304 / Powder Coated / High Pressure Laminate
Door Leaves	Single or Double
Infill Material	Anti-combustion PUF (FR Grade) 42 +/- 2Kg Density Fire Proof Rockwool 96 Kg +/- 2Kg Density
Door Frame Thickness	50mm, 80mm, 100mm for Panels 100mm, 150mm for Civil Walls
Door Frame Sheet Thickness	1.2 mm Galvanized Sheet Duly Powder Coated with Pure Polyester Powder Paint
Door Leaf Thickness	45mm Thickness
Door Leaf Sheet Thickness	0.8 mm Galvanized Sheet Duly Powder Coated with Pure Polyester Powder Paint
1. Hinges	S.S.304 Ball Bearing Hinges / Aluminum Alloy Hinges / Lift Off Hinges
2. Door Closer	Automatic Door Closer / Concealed Door Closer
3. Vision Panel	Double Glazed View Panel
4. Handle	S.S.304 Push Pull Handle / Mortise Handle
5. Lock	S.S.304 Mortise Dead Lock / Latch Lock
6. Kick Plate	S.S.304 Kick Plate
7. Drop Bottom Seal	Concealed Auto Drop Bottom Seal





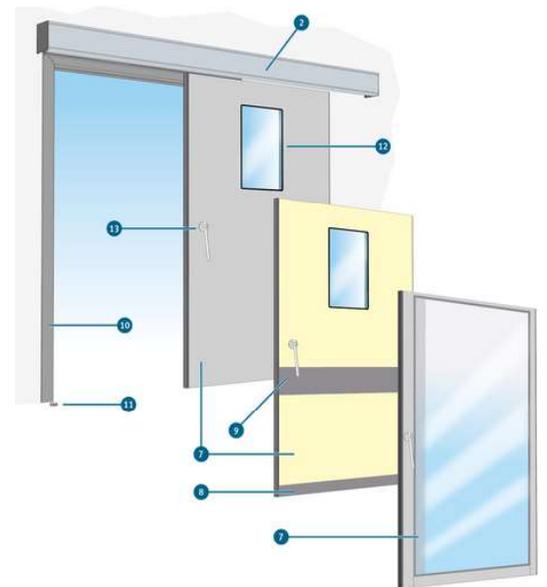
Sliding Doors moves horizontally and, when it is nearly closed, the special upper guide allows the lowering and translation of the door both towards the wall and the floor, thereby ensuring the hermetic seal through compression of special rubber gaskets on all four sides of the door.

The support trolleys can bear and move a maximum load of 150 kg.

### Specifications

MOC	S.S.304 / Powder Coated / High Pressure Laminate / Glass Panel
Infill Material	Anti-combustion PUF (FR Grade) 42 +/- 2Kg Density Fire Proof Rockwool 96 Kg +/- 2Kg Density
Opening	Manual
Door Leaves	Single or Double
Clear Passage Height	2100 - 2800 mm
Clear Passage Width	850 - 1750 mm (Single) 1600 - 3600 (Double)
Joints	Perimeter EPDM Sealed
Thickness	45 mm
Surface	Flat without moulding
Handle	Outer Handle and inner handhold in Stainless steel
Door Operator	Hermetic
Flushed Window	Transparent

## Manual Sliding Door



### Key

2 Cladding Unit	10 Optional Wall Frame (or semi-wall frame)
7 Panel	11 Closing striker
8 Base	12 Vision Panel (Optional)
9 Horizontal Band	13 Handle (Optional)

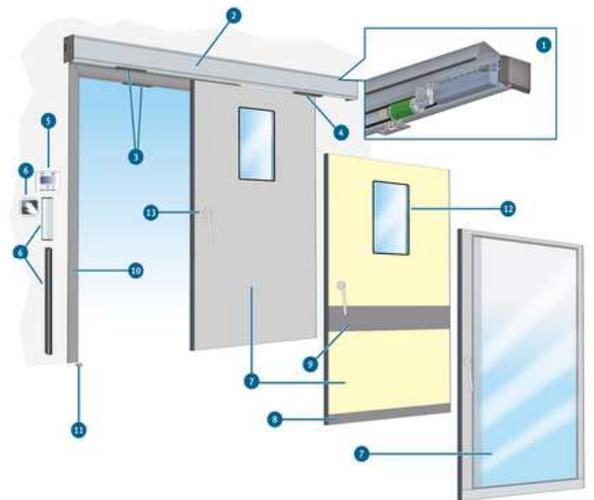


In this type of door, the leaf lowering and translation movement is automatic; the software checks leaf positioning correctness and speed to bring it closer to both the wall and the floor, thus ensuring the hermetic seal by compressing special rubber seals on the four sides of the door.

## Specifications

MOC	S.S.304 / Powder Coated / High Pressure Laminate / Glass Panel
Infill Material	Anti-combustion PUF (FR Grade) 42 +/- 2Kg Density Fire Proof Rockwool 96 Kg +/- 2Kg Density
Opening	Automatic
Door Leaves	Fixed Panel + Sliding Door Leaf
Clear Passage Height	2100 - 2800 mm
Clear Passage Width	900 - 3600 mm
Joints	Perimeter EPDM Sealed
Thickness	45 mm
Surface	Flat without moulding
Handle	Outer Handle and inner handhold in Stainless steel
Door Operator	Hermetic
Flushed Window	Transparent

## Automatic Sliding Door



### Key

1 Automation Unit	8 Base
2 Cladding Unit	9 Horizontal Band
3 Closing Safety Sensor	10 Optional Wall Frame (or semi-wall frame)
4 Optional opening safety sensor	11 Closing striker
5 Digital Programmer	12 Vision Panel (optional)
6 Activation Devices	13 Handle (Optional)
7 Panel	



## Application Areas

- 1 Dental Surgeries
- 2 OPG/CBCT Rooms
- 3 Operating Theatres
- 4 Diagnostic Imaging (X-ray, CT Scan rooms)
- 5 PET Facilities
- 6 Laboratories
- 7 Veterinary Clinics

They are also used for radiation shielding in buildings where security is a concern, such as aerospace, airports and defense environments.

Lead-lined doors and frames prevent the transmission of radiation.

We custom fabricate these to client specifications including door size, lead thickness, and hardware requirements. In addition, we offer custom made hollow metal lead lined frames as well as mounting and operation hardware. Lead glass window unit is optional.

## Lead Lined Door

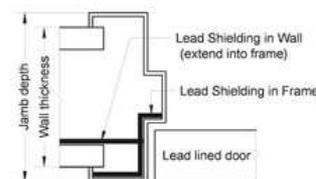
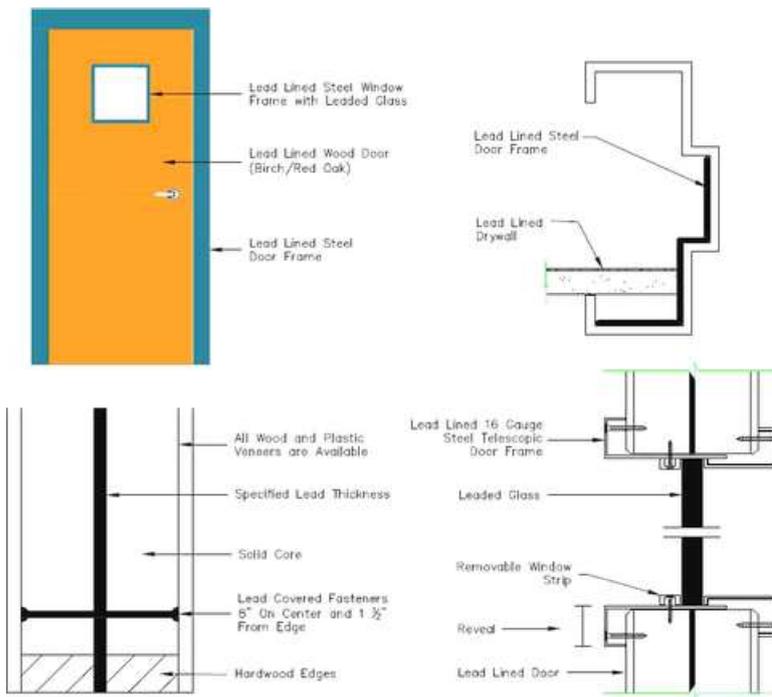
### Specifications

Lead Lined Doors are constructed using a single layer of sheet lead in the centre of the door.

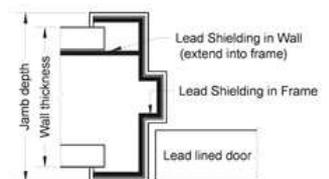
Lead-lined hinged doors are designed and manufactured to afford personnel protection from radiations of X-rays / MRI / CT scan / Pet Scans.

In environments where X-ray/Scans equipment is in use by reducing the level of exposure to an international accepted level.

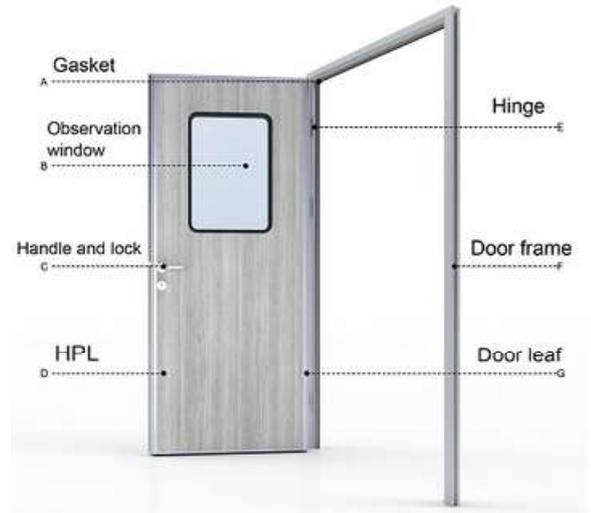
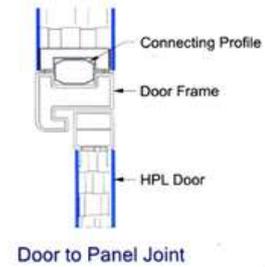
The doors with centrally located lead sheet lining of a thickness compatible with the degree of exposure.



TYPE 1 FRAME



TYPE 2 FRAME



## Specifications

MOC	High Pressure Laminate
Door Leaves	Single or Double
Infill Material	Anti-combustion PUF (FR Grade) 42 +/- 2Kg Density Fire Proof Rockwool 96 Kg +/- 2Kg Density
Door Frame Thickness	50mm, 80mm, 100mm for Panels 100mm, 150mm for Civil Walls
Door Frame Sheet Thickness	Aluminum Profile
Door Leaf Thickness	45mm Thickness
Door Leaf Sheet Thickness	High Pressure Laminate - 3mm thick

1. Gasket Sealing gasket, durable and heat-resistant, not easy to deform
2. Observation window Double tempered glass, smooth surface, shockproof, good-looking and easy cleaning
3. Handle and lock Stainless steel material, stable, safe, anticollision, can be opened by elbow.
4. Compact panel-HPL High strength, wear-resisting, impact resistant, flaming retarding, antibacterial, stain resistant and colorful
5. Hinge Adding the nylon bushing to avoid the disadvantage of the traditional steel hinge such as producing metal powder and big noise.
6. Door frame Designed smoothly to protect from bumping, and it is easy cleaning
7. Door leaf Good looking, easier to clean, solid, colorful and dust-free, etc

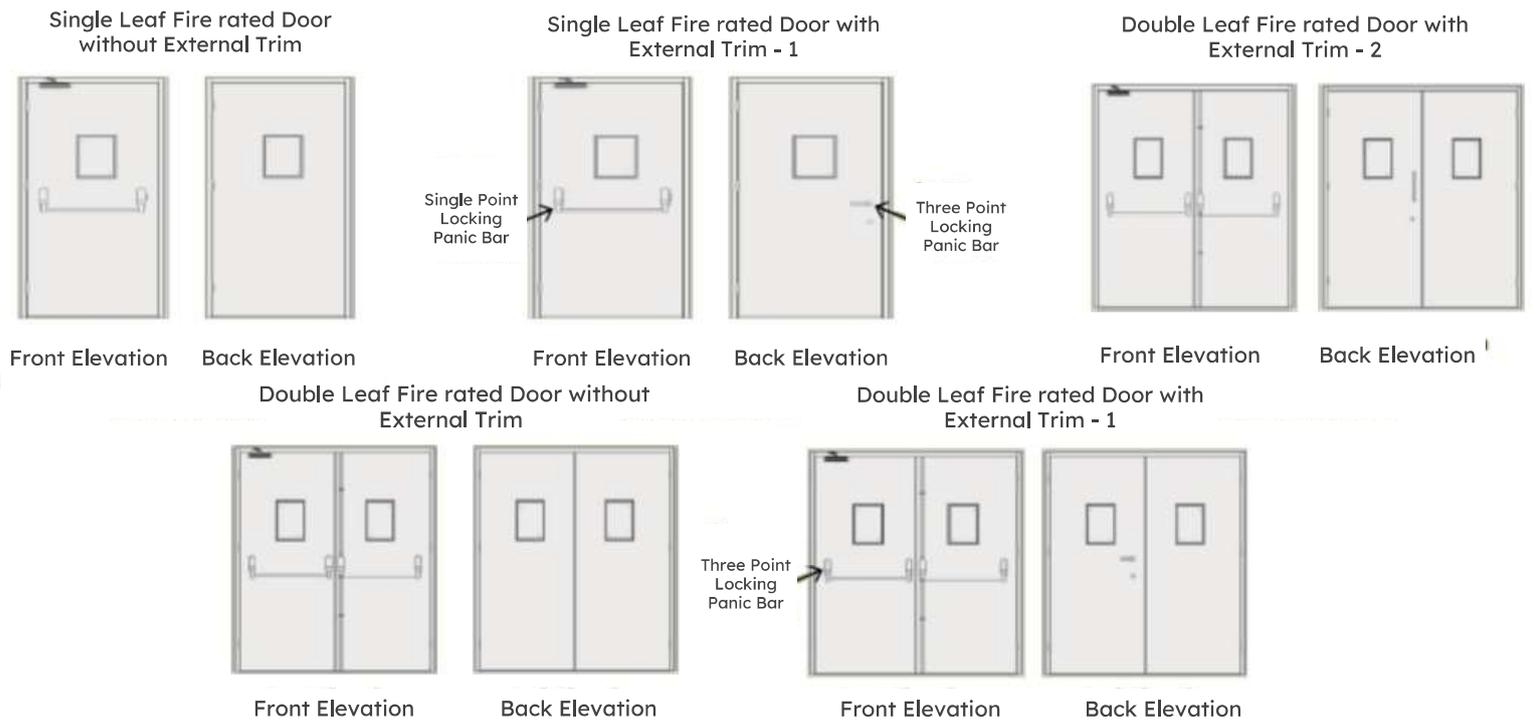
Laminate Door





Fire Rated Doors are of critical importance in buildings and areas need to compartmentalize and contain the spread of fire. Steel fire rated doors are used to protect life and property in the event of fire related emergencies and compartmentalizing fire. Fire doors are designed to restrict spread of Fire and save lives.

Fire Door





The glass door set gives a sleek and pristine appearance to any facility, while providing outstanding functionality. With a toughened glass door leaf within the clean lines of the stainless-steel frame.

The pharmaceutical glass door leaf is chemical and scratch resistant, with 10mm toughened tempered glass, which is incredibly hardy

Exceptional cleanability with no cavities in the leaf, providing no space for bacterial growth.

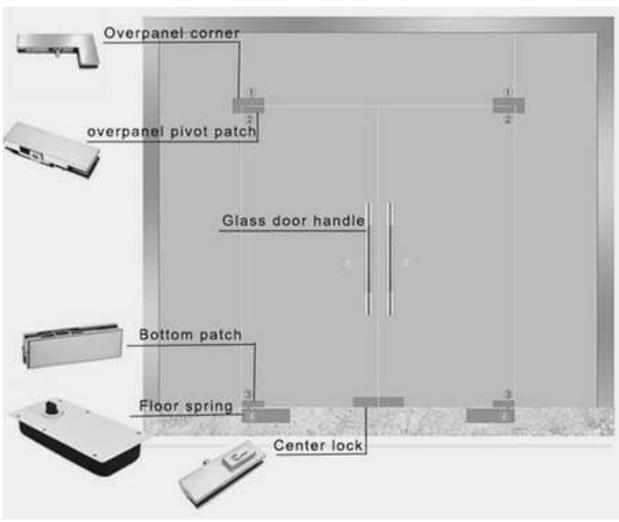
With no rebate on the frame with a maximum clear opening, made to suit specific wall thicknesses, and has a purpose-built solid stainless-steel hinge delivering an easy cleaning functional pharmaceutical door

Renowned excellent cleanability - the favoured choice for laboratory environment

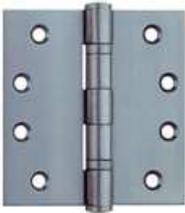
### Specifications

Overall Thickness	50 mm + frame ridge
Clear Width	800mm - 2000mm
Clear Height	2100mm Standard. Other sizes available
Dimensions	Made to order. Leaf thickness 45 mm
Leaf Surround	Aluminium extrusion
Glazing	Glazed 5 mm glass, single or double glazed, dimensions to order Half glass door leaf option also available
Drop Seal	Drop seal fitted as standard
Furniture	Handles S.S.304 / steel Stainless steel non-flush hinges & screw-in flush strike plate / Top & Bottom Pivot / Floor Spring / Sliding Mechanisms

## Glazed Door



## Door Accessories & Systems

<p>Hinges</p>	 <p>S.S. 304 Ball Bearing Hinge</p>	 <p>Aluminium Alloy Hinge</p>	 <p>Lift Off Hinge</p>
<p>Door Handles</p>	 <p>S.S. 304 'D' Handle</p>	 <p>S.S. 304 Grab Bar</p>	 <p>S.S. 304 Mortise Handle</p>
<p>Lock Sets</p>	 <p>Mortise Dead Lock</p>	 <p>Mortise Latch &amp; Lever</p>	 <p>Cylindrical Lock</p>
<p>Door Closers</p>	 <p>Standard Arm Door Closer</p>	 <p>Concealed Arm Door Closer</p>	 <p>Hold Open Arm Door Closer</p>
<p>Interlocking &amp; Access System</p>	 <p>Door Interlocking System</p>	 <p>Door Access Control System</p>	 <p>Door Biometric System</p>



## Specifications

Thickness	50 mm, 80 mm, 100 mm
Maximum Dimensions	1000 mm x 3000 mm
Glazing	Single / Double / Triple
Glass	6 mm Toughened Glass 6 mm Polycarbonate Glass
Window Frame	Aluminum
Finish	Polyester Powder Coat Anodized Silver
Weight	6 mm Toughened Glass 23kg / m <sup>2</sup> 6 mm Polycarbonate Glass 16kg / m <sup>2</sup>

## Hermetically Sealed Windows



Single Glazed View Panel

Types of View Panels				
Double Glazed Vision Panel	Single Glazed Vision Panels	Louvered Windows	Lead Lined Glass	Fire Rated Glass



Round Corners



Square Corners



Intrados Frame Window

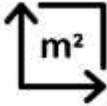
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## Our Global Foot Prints

Algeria	Bangladesh	Bolivia	Egypt	Ghana	Iran	Oman	Kenya
Nepal	Philippine	Qatar	Sri Lanka	Vietnam	UAE	UK	USA