

Quality - Reliability & Trust

Fire Rated Doors

Certified & Non Certified

- ✓ Warranty & after Sale Service
- ✓ All in One Flexible & Smart Solution
- ✓ MEX Security & Safety Features



www.mechatronix.com.pk



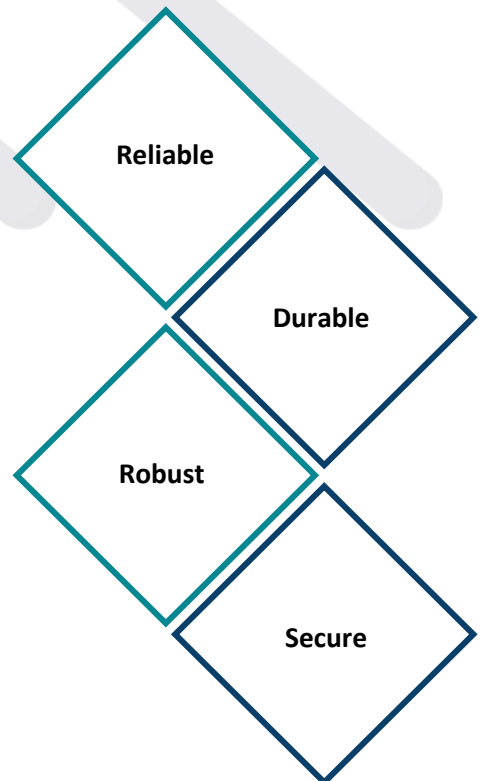
Mechatronix Fire Doors:

Fire Doors are fabricated & designed to be installed in new and existing compartments areas to separate different zones & prevents the spread of fire and allowing time for occupants to escape. Steel Fire Doors are usually used in shopping complexes, offices, factories and residential apartments. Our Fire rated doors come in single leaf and double leaf according to size and type requirements.



Safety & Security Features:

- ✓ Full range of sizes
- ✓ Single and double leaf doors available
- ✓ Stainless steel bolted hinges (standard)
- ✓ Stainless steel handles(standard)
- ✓ Solid door leaf with high quality fire resistance or acoustic filling
- ✓ Choice of frames: wooden internal (standard), wooden embracing, steel frames (optional)
- ✓ Available in wide range of finish and color options
- ✓ Available with a range of hardware and handing



Design & Manufacturing Standards:

- ✓ Standard for Safety for Fire Tests of Door Assemblies, ANSI/UL10B
- ✓ Positive Pressure Fire Test of Door Assemblies, ANSI/UL10C
- ✓ Standard Method for Fire Tests of Door Assemblies, CAN/ULC-S104-15, BS EN 1634-1

Product Specifications:

Door Leaf Material	Mild Steel
Door Leaf Sheet	GI 1.2 mm thick sheet
Door Thickness	38.1 mm (Min)
Internal Insulator	Hard Honeycomb Core, Rock Mineral Wool, Ceramic Wool
Surface Finish	Painted / Customer Choice
Door Frame depth	Normal Width of the frame: 115mm - 240mm
Door Frame Material	16 Gauge Mild Steel
Anchors	Different Anchors, such as adjustable vertical anchor, Tee anchor, wire anchor, floor base anchor and etc.
Frame Type	Reinforced core frame with stiffeners and filled with Ceramic/Rock
Open & Closure Data	Turn or slide, in or out, left or right
Fire Resistance	30-45-60 - 90 – 120 minutes
Certificates & Labels	UL Certified Label & BS EN 1634-1
Vision Panel	With or without as requested
Louver	With or without as requested
Accessories	Lock, Handle, Hinges, Door Closer, Panic Bar, Smoke Seals, and other as requested

Door Configurations:

- ✔ Single leaf Door with Vision Panel, Handle & Door Closer
- ✔ Single leaf Door with Panic Bar & Door Closer
- ✔ Double leaf Door with Vision Panel, Handle & Door Closer
- ✔ Double leaf Door with Panic Bar & Door Closer

Door Closer Features:

- ✔ Adjustable closing speeds
- ✔ Adjustable latching speeds
- ✔ Closing and latching speeds
- ✔ Handling can be easily adjustable on-site feature allows the door to be opened to a specified degree without hitting the wall

Door Hardware:

EXIT DEVICE VERTICAL PANIC EXIT DEVICE	EXIT DEVICE HORIZONTAL PANIC EXIT DEVICE
<input checked="" type="checkbox"/> UL Listed	<input checked="" type="checkbox"/> UL Listed
<input checked="" type="checkbox"/> Rods are high quality steel	<input checked="" type="checkbox"/> Dogging features are available
<input checked="" type="checkbox"/> Rods can be adjusted to fit various door heights and widths.	<input checked="" type="checkbox"/> Adjustable to door width requirements
<input checked="" type="checkbox"/> Top and bottom latching	<input checked="" type="checkbox"/> Handed
<input checked="" type="checkbox"/> Non-handed	<input checked="" type="checkbox"/> Suitable for single leaf doors
<input checked="" type="checkbox"/> Finishes: Stainless steel Aluminum finish	<input checked="" type="checkbox"/> Finishes: Stainless steel Aluminum finish

Applications:




- High impact applications
- Utility Buildings
- Residential applications
- Interior applications



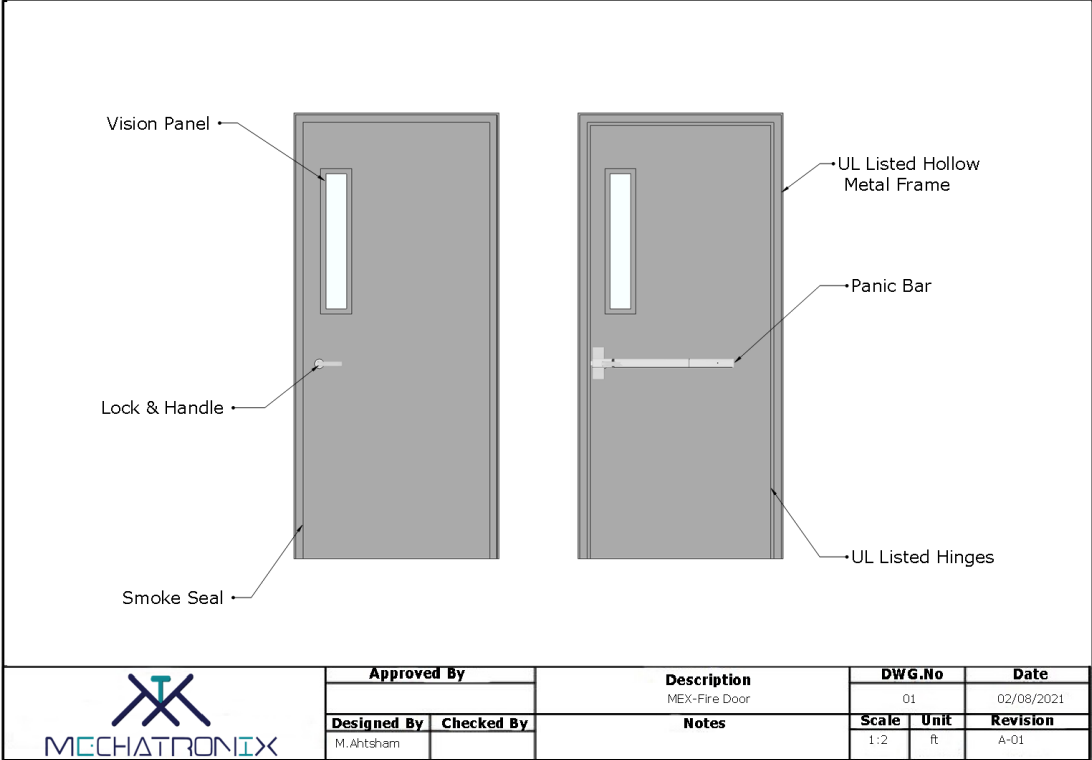
Frequent use applications

- Educational centers & Embassies
- Health care center
- Commercial towers



Door Accessories (Optional) :

- ✓ Heavy duty ball bearing Steel Hinges
- ✓ All doors with self-closing and self-latching Fire Rated / Certified hardware
- ✓ Smoke Seals to control fire and smoke spread



Panic Push Bar



knob Lock
(Optional)



Door Closer



Lever Handle Lock
(Optional)



Bottom Seal

Typical Frames:



Double Rabbit



Single Rabbet



Cased Open



Double Egress



Wrap



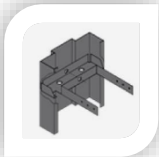
Butted



Stud



Wire Anchor



Dry Wall Anchor



Strap Anchor



Tee Anchor



Stud



Existing Wall
Anchor

Door Selection Guide :

DOOR SIZE INCLUDING FRAME

WIDTH

HEIGHT

PROJECT NAME: Fire Rated Door

LOCATION:

REPRESENTATION:

CONTACT PERSON:

☐

Single Door

☐

Double Door

INWARD SWING

OUTWARD SWING

☐ Right Hand

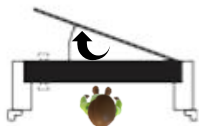
☐ Left Hand

☐ Left Hand

☐ Right Hand



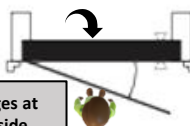
EXTERIOR



EXTERIOR

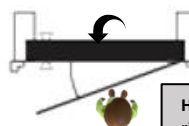
Hinges at Left side
but on the
opposite side of
the door

Hinges at right
side but on the
opposite side of
the door



Hinges at
left side

EXTERIOR



Hinges at
right side

EXTERIOR

Vision Panel

Yes

No

Flush Tower Bolt

Yes

No

Panic Push Bar

Yes

No

Lever Handle Lock

Yes

No

Door Closer

Yes

No

Trim Lock

Yes

No



MEX Fire Rated Door:

Mechatronix is the Professional locally Manufacturer of commercial Steel Fire Rated doors. MEX Fire Rated Doors provide standard 120 Minutes of Fire Rating. Our fire Door is designed for both residential and commercial applications, providing security, strength and sound & heat insulation. The MEX Doors assures the quality reliability and MEX Security according to the standards.

Fire and smoke resisting doors and door sets are available in the following performance Categories.

- MEX-FD30 Minutes
- MEX-FD45 Minutes
- MEX-FD60 Minutes
- MEX-FD90 Minutes
- MEX-FD120 Minutes

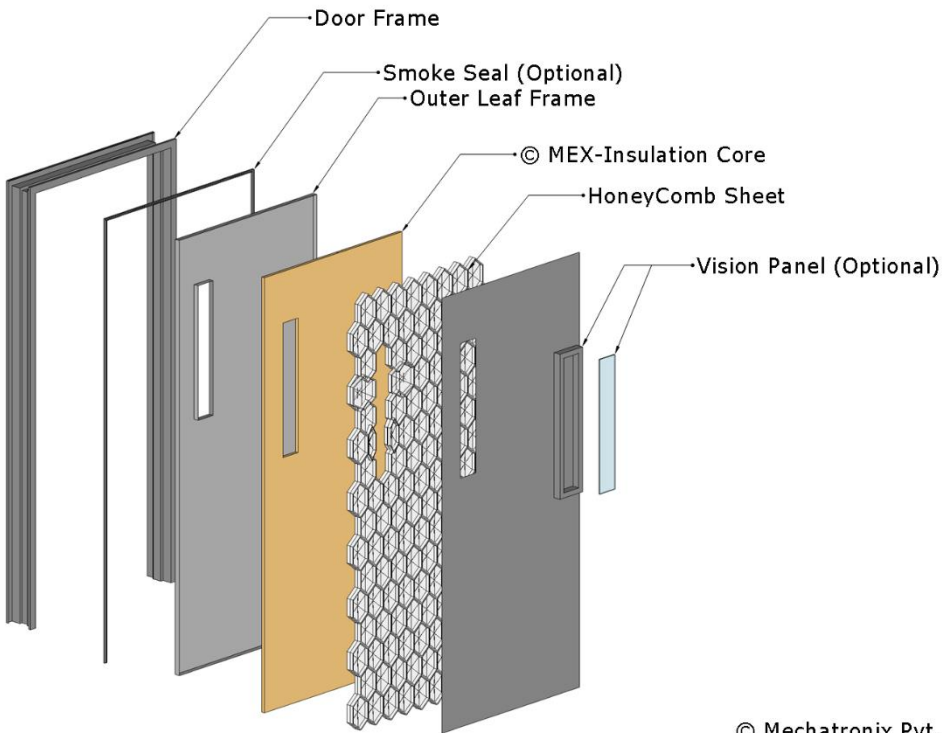
Door Leaf Material	Mild Steel
Door Leaf Sheet	GI 1.2mm thick sheet
Door Thickness	38.1mm (Min)
Internal Insulator	MEX Insulation Core

© MEX-Insulation Core:

Fire Rated door is constructed with specific MEX insulation board. The MEX insulation board is tested and analyzed at different fire ratings & specific environments under the supervision of Professional Engineers and Experts. To achieve the fire rating according to the standards of safety for fire tests of door assemblies ANSI/UL10B the door withstands the fire ratings & positive pressure for 120 minutes.

MEX insulation is the set of layers with fire insulated, sound proof material & Honeycomb sheet. The Core is Light weight, fire retardant and self-extinguishing & sound absorption. It is non-corrosive, non-toxic. The internal insulator is tough, rigid with high impact strength & long performance life.

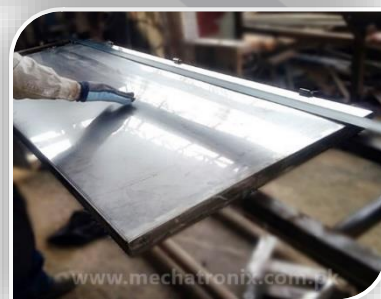
Our Fire Rated Doors are designed and manufactured to meet all requirements and customers satisfaction. **Fire Rated doors** manufactured in our facility of various sizes and ratings. Professional workers carry out the installation of **fire-rated doors** at the site.



Our Clients:



Product Gallery:



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