



PROTECT HIGH SECURITY **DOORS**

India's
Leading Door
Manufacturer
& Supplier

www.acodor.in





Overview

ACODOR, a brand diversification of Koleshvari Steel Industries, specializes in fabricating steel doors for exterior and interior usage. ACODOR with a strong backing of its parent company envisions a successful trail for itself. Koleshvari Steel Industries, initiated in 2003, is already a reputed name in the field of manufacturing and supplying sheet metal products.

Apart from this the company is engaged in providing Sheet Metal Fabrication Services to its esteemed clients across the nation. ACODOR is an initiative to carry forward the blazing glory of its parent company through venturing into manufacture of durable Steel Doors for diverse applications in different public, scientific and private establishments. Under the expertise and support of our competent technical team, the company has advanced ahead with a rich legacy of an enterprise with a value. Infusion of innovativeness and uncompromised attitude towards quality has further created a niche for the brand among the customers

Unrivalled in-house Capabilities...

We have a well equipped state-of-the-art infrastructure located in industrial core of Ahmedabad is capable to handle bulk orders customized to client's specification. The manufacturing unit with a sprawling area has been installed with all the latest machineries like CNC Laser Cutting, CNC Turret Punching, CNC Hydraulic press brake, CNC Hydraulic Shearing machine, MIG/ARC/Spot welding machines and in-house powder coating plant with seven tank process essential for production of quality product with superb finish. We are well accomplished to fabricate doors in standard sizes as well as customized size as per our clients need. Our versatility makes us a one stop destination in India for features such as superior quality, durability and superior finish, which are ingrained in all our products.

Goal

- To retain and reinforce our position as a Leading Indian manufacturer of Steel Doors.
- To be the preferred choice among all the competitors in our vertical.
- To remain committed to our customers and create lasting relationships, extending beyond sales.



Core Purpose

- To conceptualize and create customized products in an cost effective manner.
- To offer diverse range through innovativeness and improvisation.
- To adhere to the customer centric policies, giving complete satisfaction to or customers.
- To adhere to the delivery schedule, not compromising on any step over quality of the product.





Our Product Range

- Glazed Fire Doors System.
- Fire Door.
- HMPS (Hollow Metal Pressed) Door.
- Clean Room Door.
- Sliding Door (Manual / Automatic).
- Lead Line Door / X-ray Room Door.
- S.S. Flush Door.
- Office Door.
- Shaft Door (Fire, Plumbing & Electric Duct).
- Industrial Door.
- Residential Door.
- Bathroom Metal Door.
- Trap Door (Fire Rated / Non Fire Rated).
- Gypsum Board Access Panel.

Fire Door

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Construction Details

As per IS: 3614 Part II & BS : 476 Part 22.

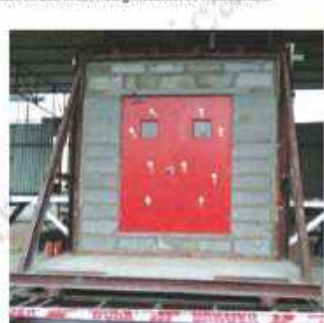
Steel Fire door confirming to IS: 3614 Part-II and BS : 476 Part - 22. A fire-resistive degree door assembly, including frame and hardware, is capable of providing a specific fire protection. Doors are fabricated with two layered Galvanized/Stainless steel sheet sandwiching with proprietary fire resistant insulation materials Honeycomb / ceramic wool / Rock wool in-between. Steel reinforcements are provided for structural stability and integrity.

All doors are pre-engineered at the plant to receive prior selected hardware .The doors are delivered to customers along with hardware of approved or select brands.

Finish : Finish available with durable and corrosion resistance powder Coating.

Certificate of Credit

TEST SCHEDULE 91 (Reference No. - FR 0716)	
1. Name of the Laboratory	Fire Research Laboratory CSIR Central Building Research Institute Ranchi-834 007
2. Name of the Party	ISO 9001:2015 Certified Plot No. 298, Road No. 4, Kathwada, GIDC, Ahmedabad-382 430
3. Name of the Test	Fire Resistance Test
4. Date of Test	12 October 14, 2017
5. Ambient Temperature	17 °C
6. Fire Exposure	As per BS 476 Part (20 & 22), IS-3614 (Part 22) 1999
7. Applicability of Test Criteria	Stability : Yes Integrity : Yes Insulation : No
8. Specimen Details	Single Leaf Single Swing G.I. Composite Fire Door Size : Door Frame : Door Panel Height : 2100 mm : 2047 mm Width : 1200 mm : 917 mm Thickness : 100 mm : 47 mm
9. Specimen Construction	As shown in Figure 1 and Figure 2 (Fig. No. 91-1/1987) and 91-1/1987(2)
10. Door Type	Unprotected
11. Door Installation	Opened towards the furnace chamber
12. Intended Test Duration	120 Minutes
Test Results The data of evaluation reveals that the single leaf single swing G.I. composite fire door (fabricated) specimen has been found to be able to withstand standard fire exposure for 60 min. (Sixty minutes only) with respect to stability and integrity only. (Sushil Kumar) (Narendra Kumar) (Dr. Saur Singh)	
(The data of evaluation is based on the specific values indicated in the test report and based on the test results. The data is not to be used for comparison purposes. All procedures, tests, and/or operational matters will be the responsibility of the party using these results. Reporting (Reporting the results, using a copy with the test report). FIRE RESEARCH LABORATORY CSIR - Central Building Research Institute Mohanpur, Ranchi - 834 007 Tel: 0659-2231111, Fax: 0659-2231112, Email: firelab@cbri.res.in, Website: www.cbri.res.in	

TEST REPORT FIRE RESISTANCE TEST OF CONSTRUCTION ASSEMBLIES	
Test Sponsor: KOLESHVARI STEEL INDUSTRIES(ACODOR) PLOT 298, ROAD NO - 4, KATHWADA, GIDC, AHMEDABAD, GUJARAT	
Test Assembly: Steel Fire Door	
Test Standards: BS 476-28:1987* Fire tests on building materials and structures - Part 28: Method for determination of the fire resistance of elements of construction (General) (Strength) *Incorporating Amendment No. 1 BS 476-22:1987 Fire test on building materials and structures - Part 22: Methods for determination of the fire resistance of non-structural elements of construction.	
	
Analyst Signature	Authorized Signature
FIRE TEST REPORT / Spectra Analytical Lab Ltd.	

CERTIFICATE TUV NORD	
Management system as per ISO 9001 : 2015	
In accordance with TUV NORD procedures, it is hereby certified that	
KOLESHVARI STEEL INDUSTRIES Plot No. 298, Road No. 4, GIDC Kathwada, Ahmedabad - 382 430, Gujarat, India	
applies a quality management system in line with the above standard for the following scope:	
Manufacture and Supply of Fabricated Sheet Metal Components such as Safety Door, Steel Door	
Certificate Registration No. GM 02 0147 Audit Report No. 0 01842007	Valid until 10.01.2021
Certification Body is TUV NORD TYS LTD.	Since 11.01.2018 Place / Number
This certification was conducted in accordance with the TUV NORD auditing and certification procedures & shall be valid subject to surveillance audit 1 (before 08.09.2018), surveillance audit 2 (before 08.09.2019) and the Certification Audit before 08.09.2020.	
TUV India Pvt. Ltd., 801, Pancha Plaza - 1, B.S. Marg, Gurukulapuri (N) Mumbai - 400 096, India www.tuvindia.com	
	

Fire Door Specification

Door Frame	1.2 / 1.6 / 2.0 mm GI sheet
Door Leaf	0.8 / 1.0 / 1.2 / 1.6 mm GI Sheet
Door Thickness	46 mm
Infill	Honeycomb / Rockwool (96kg / m3)
Vision Panel	Fire Rated Glass

Accessories

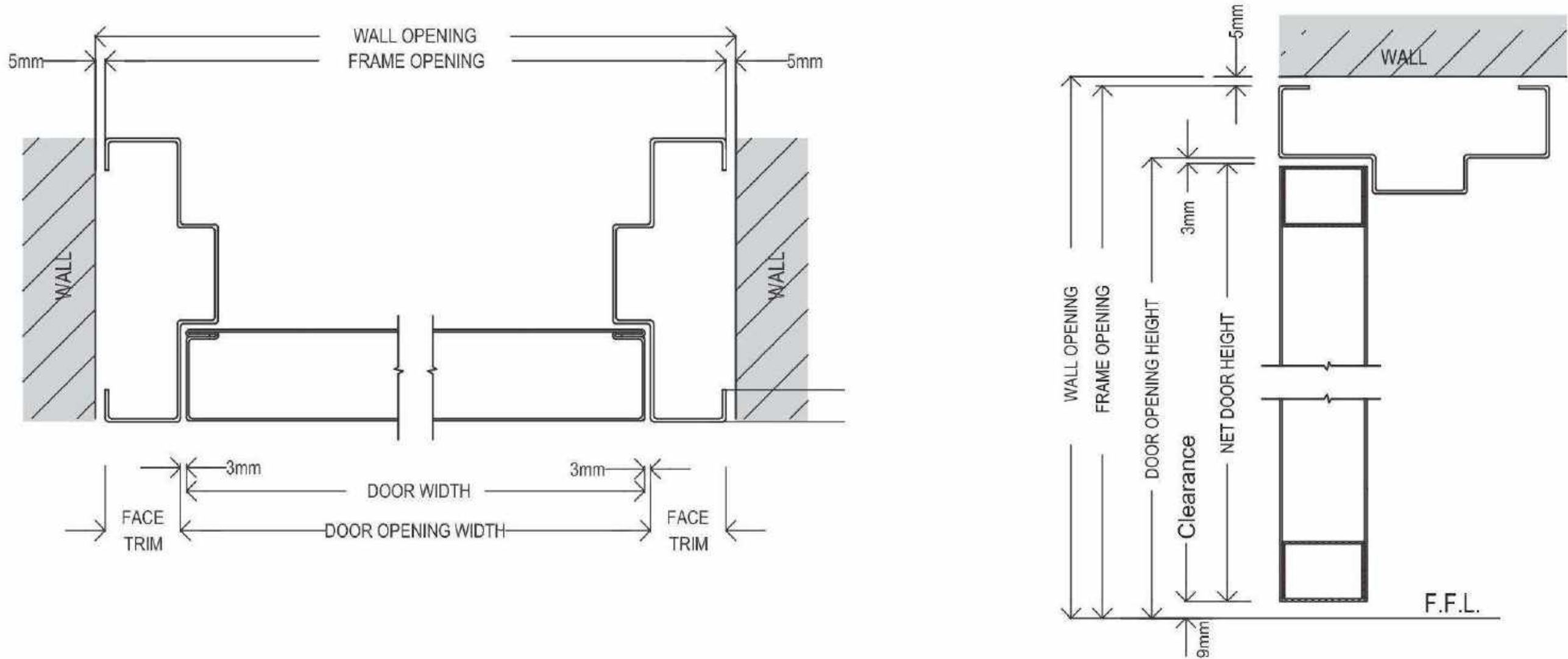
Emergency Exit	Panic Bar
Standard	Mortise Dead Lock
Hinges	SS But Hinges
Door Closer	Heavy Duty fire rated
Finish	Powder Coated



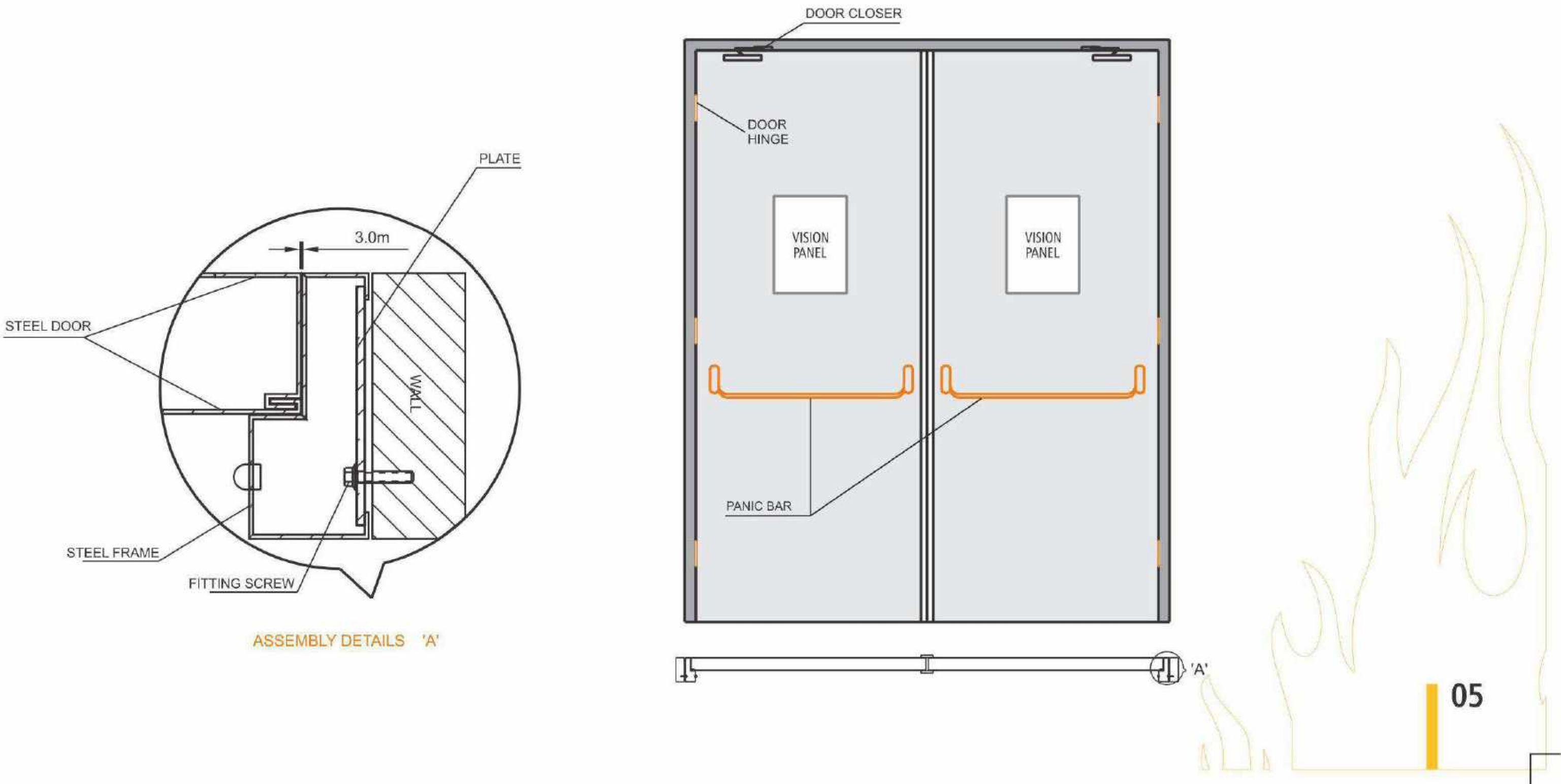
Other Optional Hardware

- Kick Plate
- Push Plate
- Concealed Flush Bolt
- Door Seal / Smoke Seal
- Door Stopper
- Door Coordinator

Illustrative Door Opening Widths & Heights



Illustrative Door Opening Widths & Heights



Door Frame

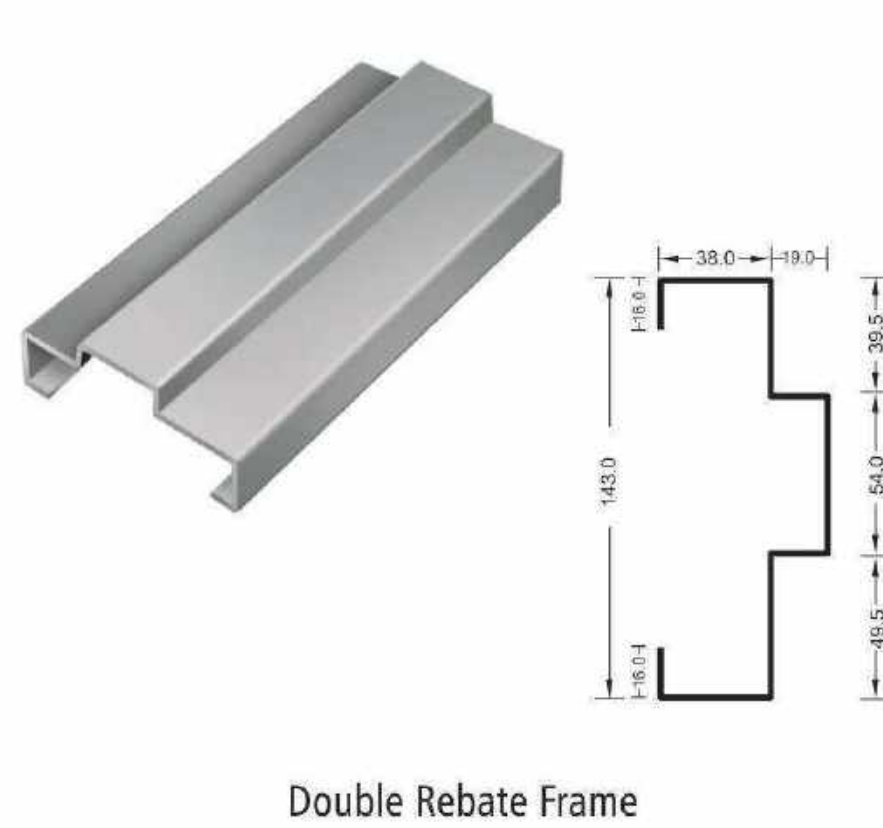
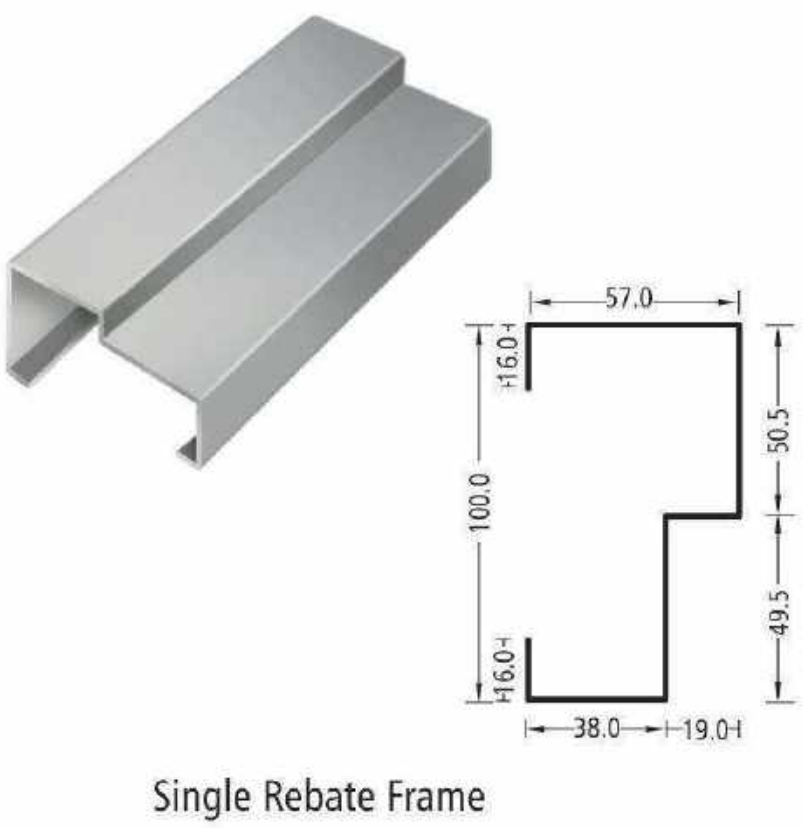
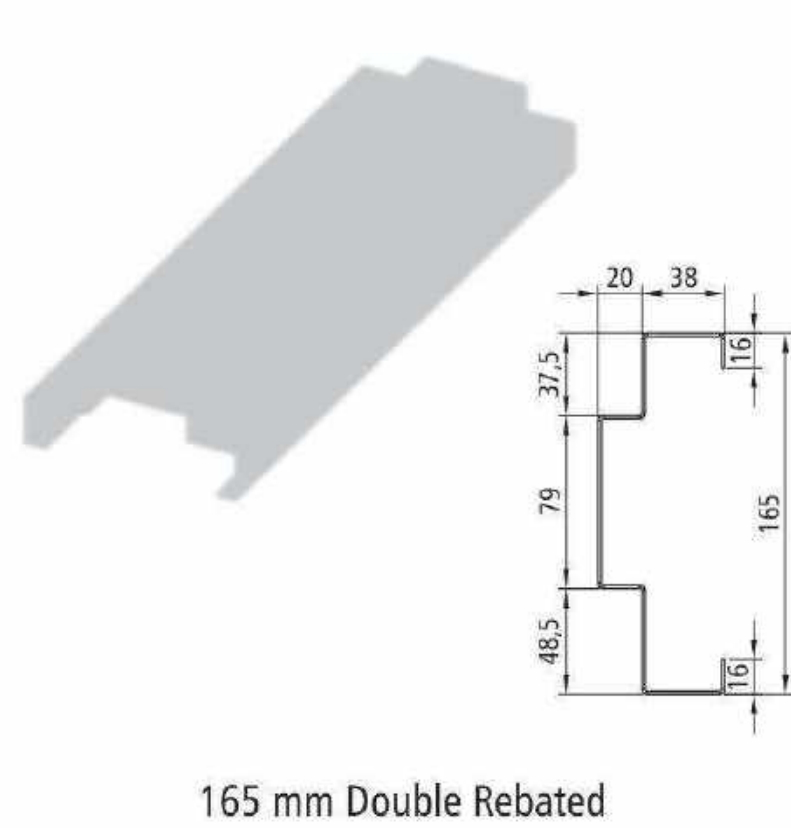
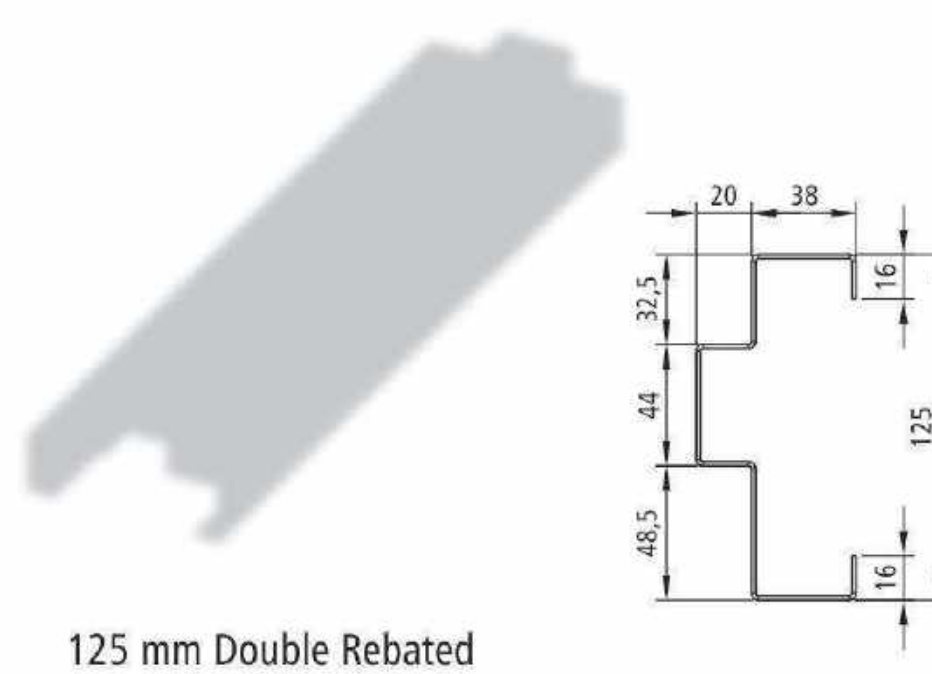
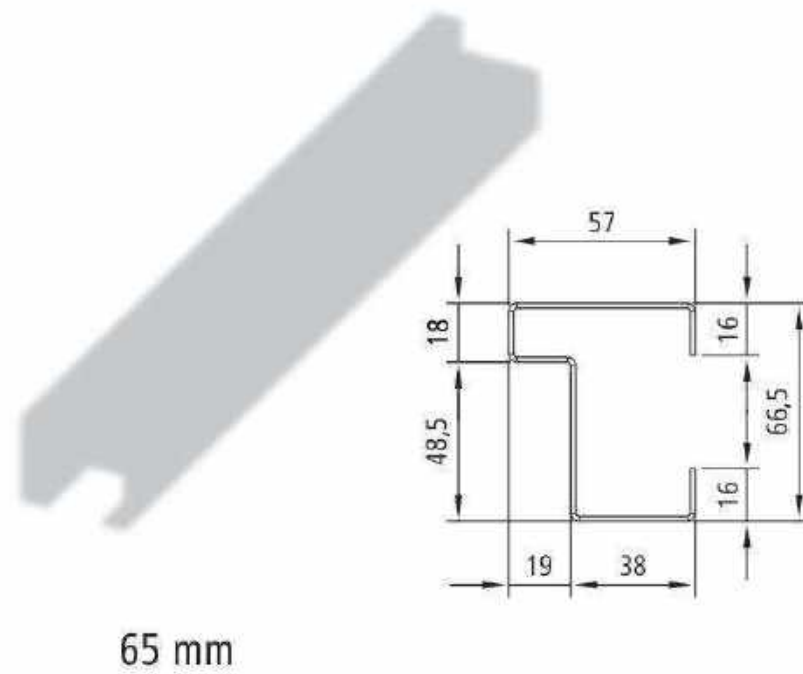
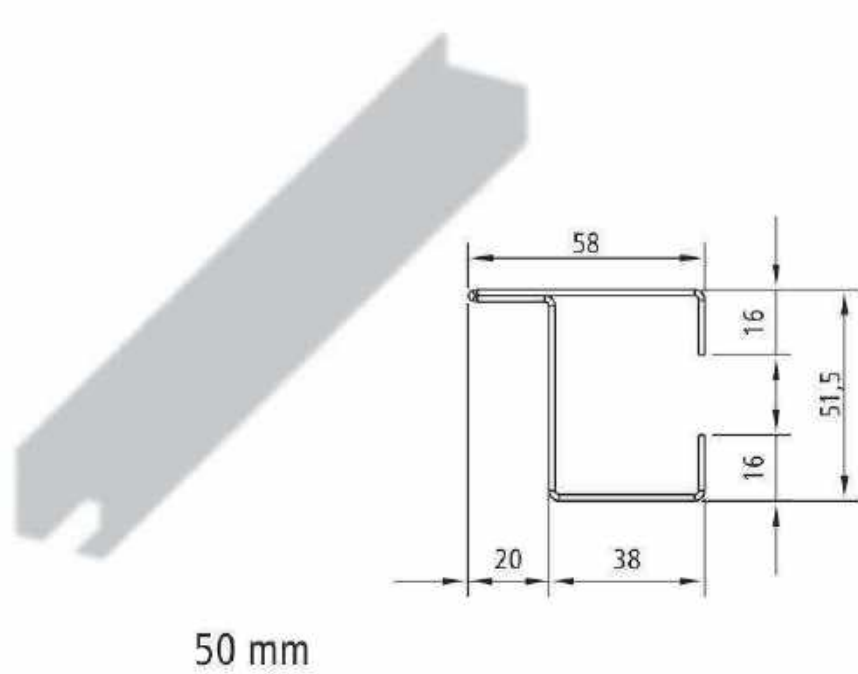
Steel door frames are available in the most elegant designs in single/double rebate as per requirement.

Three sides steel frame with single swing or pairs based on client's requirement. Easy to install & fix at site with the help of holdfast installed on Door or through Dash Fastener.

Door Frames

Material of Door Frames	Galvanized Steel / Stainless Steel
Sheet Thickness (Gauge)	14 / 16 / 18 / 20.
Standard Frame Size	100mm X 57mm & 100mm X 70 mm
For Single rebate Frame	143mm X 57 mm
Standard Frame Size For double rebate Frame	Metered - Butted - Welded.
Frame Assembly	2100mm / 2200mm / 2400mm
Standard Heights in mm. (Wall Opening)	2700mm / 3000mm

Frame Standard Design



Frame Assembly Details



Mitered Joint

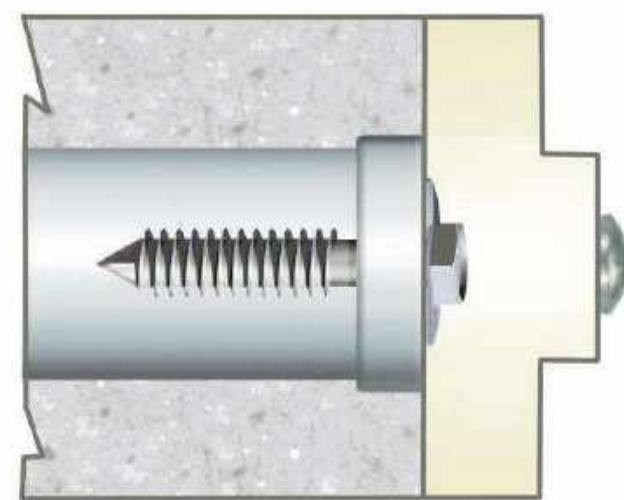


Welded Joint

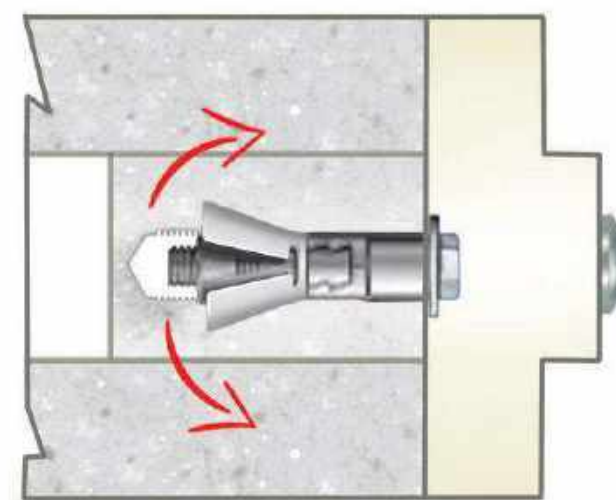


Bolted Joint

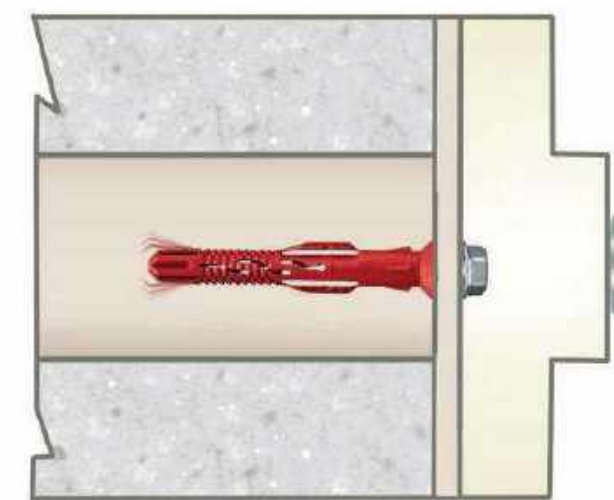
Dry Wall Fixing



Frame installed on Steel Structure



Frame Installed on RCC Wall



Frame Installed on Bricks

Hardware Preparation

Hinge Jamb

3 mm / 5 mm thick steel hinge reinforcement on the door and frame for receiving the hinge.

Strike Jamb

1 mm thick steel lock strike reinforcement with tapped holes welded to the frames.

Mortar Guard

1 mm thick steel plaster guard or mortar guard provided at the back of all hardware cutouts in the frame.



Hinge Jamb



Strike Jamb



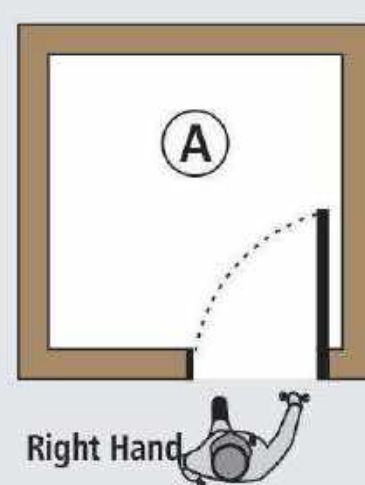
Strike Mortar Guard



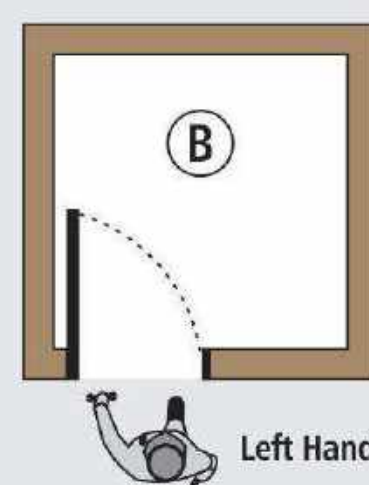
Hinge Mortar Guard

Handing of Hinged Door

The position of the hinges which determines which way the door will swing open. "Left Hand" or "Left Hinged" (LH) means that the hinges are visible on the left when the door is shut. "Right Hand" or "Right Hinged" (RH) means that the hinges are visible on the right when the door is closed.

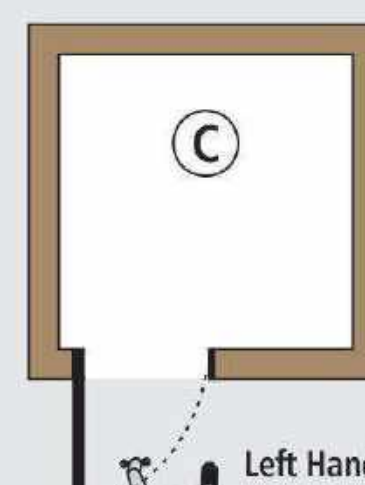


Right Hand

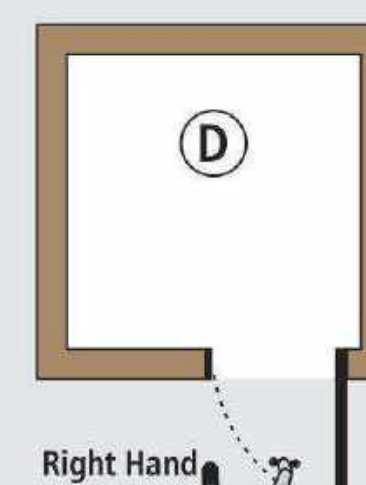


Left Hand

Inside Open Door



Left Hand



Right Hand

Outside Open Door

Door Leaf Construction

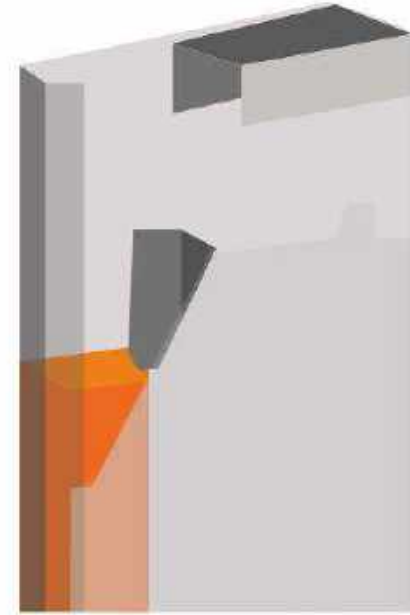
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Honeycomb Core :

Is a perfect hexagonal shaped strong and lightweight core or filling material, made of 100% recycled paper. It is widely used as core infill material in interior doors, partition walls, furniture panels and various components.

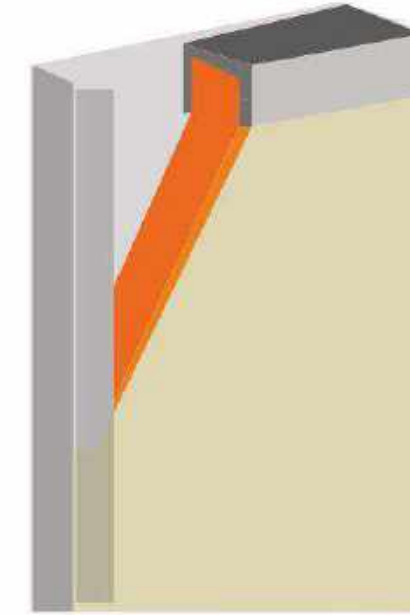
- 100% recycled paper.
- High pressure strength.
- Qualified as a core material between flat and moulded facings.
- Easily adapts to any shape.
- Outstanding deformation properties.



Rockwool with Stiffener:

The high density Rockwool board insulation produced from molten basalt rocks spun to fine fibers and bonded with heat resistant binder.

- Rockwool infill is used in the steel stiffened doors.
- The rockwool infill board meets the requirements of the technical standard ASTM C-612.
- Steel stiff door has vertical steel-stiffeners throughout the height of the door. The cavities between two stiffeners are filled with mineral rockwool.
- The combination of optimized density, fibre direction and excellent fit of mineral rockwool provides ideal thermal and acoustic insulation for steel doors.



Polyurethane Core :

- This insulated core is a foam that is injected into the core and expands to fill all the available space within the cavity of the hollow metal door.
- Polyurethane will have the best insulation value. However, a polyurethane door cannot be fire rated. This insulated door generally user for clean room type of environment.

Lead line Core :

Lead-lined cores must have a lead thickness specified and are used to restrict harmful X-rays from passing through the door.

Color Code :



RAL 3020
Traffic Red



RAL 5015
Sky Blue



RAL 9016
Traffic White



Aztech Gray
3101



RAL 5010
Gentian Blue



RAL 5015
Sky Blue



RAL 1002
Sand Yellow



RAL 7031
Blaugrau, Blue Grey, Gris Bleu



RAL 7042
Traffic Grey A



RAL 8011
Nut Brown



RAL 7015
Slate Grey



RAL 7032
Pebble Grey

Door Elevations



aF : Flush



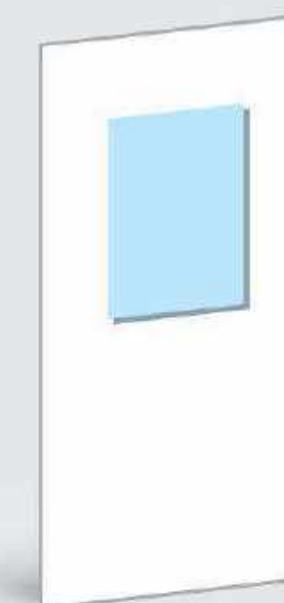
aV : Vision Light



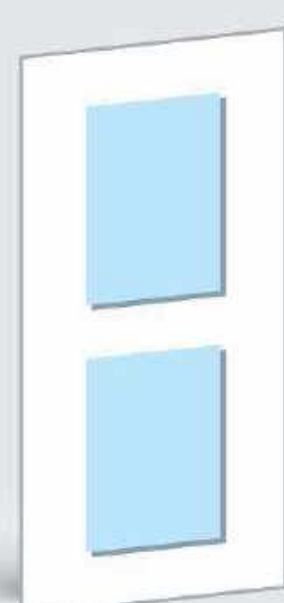
aR : Rectangle



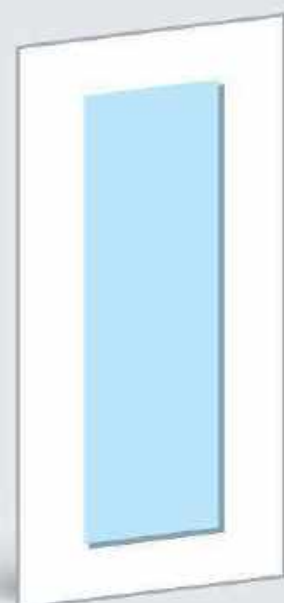
aNL : Narrow Light



aG : Half Glass



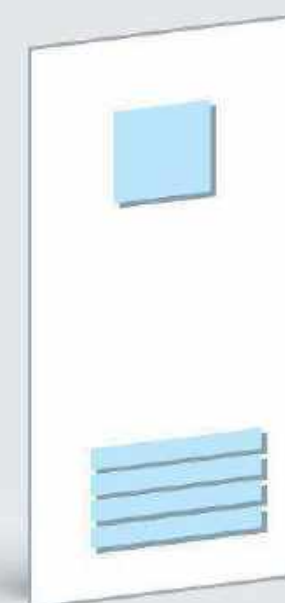
a2G : Two Half Glass



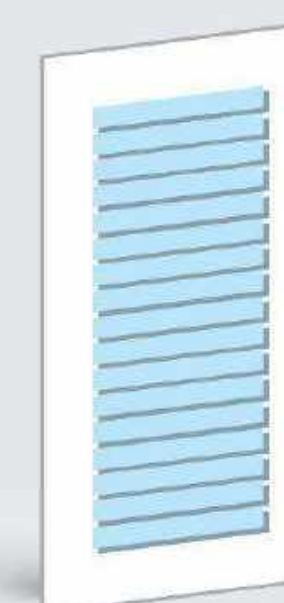
aFG : Full Glass



aR : Round Glass



aVL : Vision Light with
Louvered

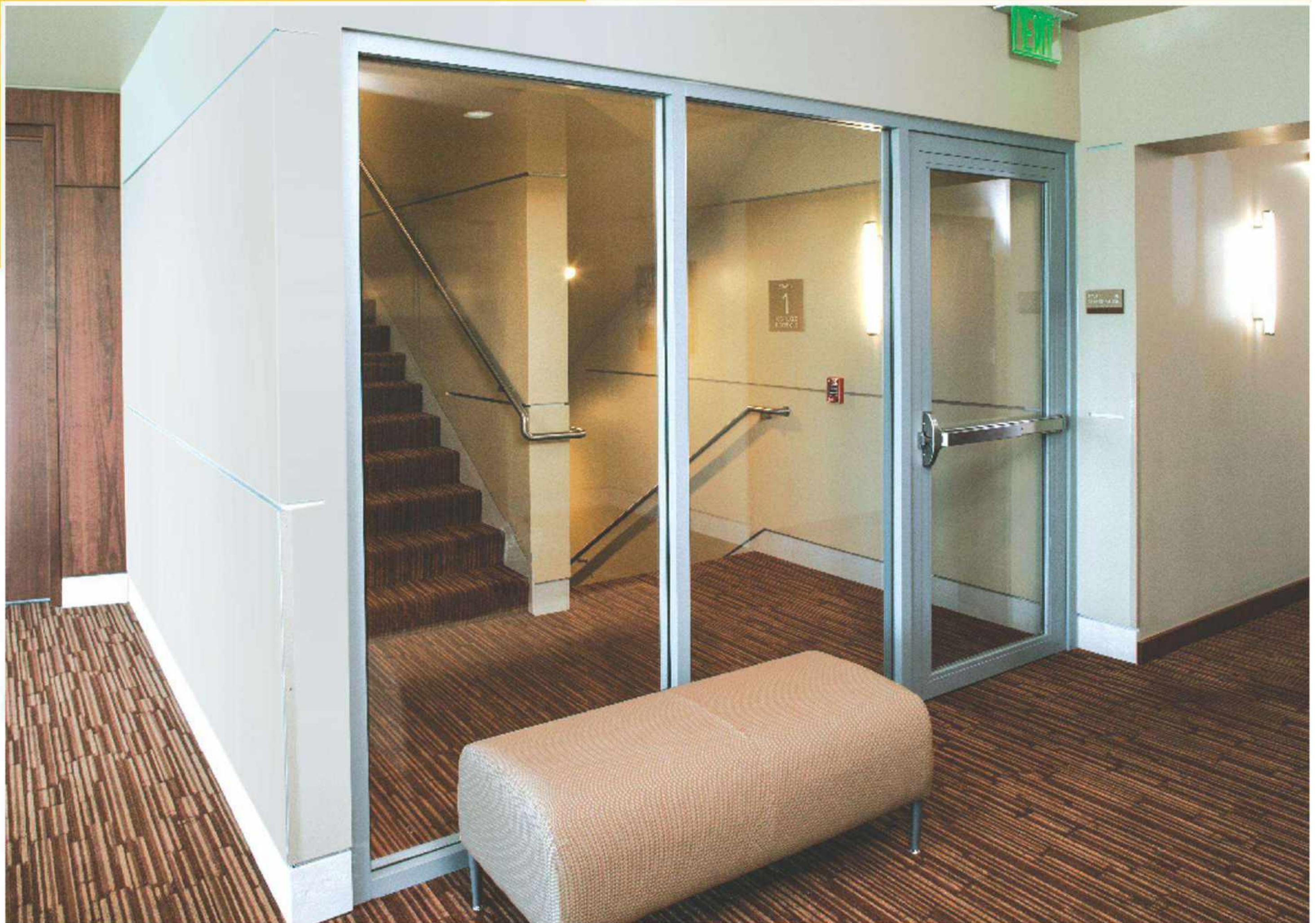


aFL : Full Louvered

Door Hardware



Fire Rated Fully Glazed Doors & Windows



Glazed Fire Doors

Description

- Fire Resistant Glass GI Framed Glazed Fire Doors System.
- ACODOR has launched Glazed Fire Doors System with GI & SS Frame in India.
- These come to you as complete "Door Systems" which means the glass is provided along with complete framing. These "systems" are tested in reputed laboratories to ensure that they conform to the highest standards.
- Where previously dark, solid fire walls were the only option to segregate escape routes, common areas and staircases, ACODOR are able to offer you a stunning slim-line GI steel & Stainless steel framed for fire rated glass doors.
- Providing 45 mm thick glazed fire resistant door shutter of 120 min. Fire rating conforming to IS 3614 with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail and bottom rail 100 mm wide, made out of GI sheet dully filled with fire rated insulation, material with hardware complete.

Key Features of This Door:

- Frame Manufactured from GI Steel and Stainless Steel Sheet.
- Available Fire Ratings 60 & 120 minutes.
- No welding joints and sharp edges interlocking at the stiles.
- Easy To Install & fix at site with the help Anchor Fastener.
- Final Finished available with powder coated as per the client requirement.

Clean Room Door



Clean Room Door

ACODOR clean room doors can be configured as single/double swing-out or as horizontal sliding either manual, automatic or semiautomatic.

ACODOR Pharmaceutical door panels are assembled with the same panels of the wall system.

Swing out doors are designed to fit flush with both sides of the wall panel system and are supplied in several dimensions.

- Fully flush surfaces with wall system.
- A large variety of swing out pharmaceutical doors.
- Manual, semiautomatic and fully automatic sliding doors.
- Door hardware by world market leading manufacturers.
- Custom dimensions available.
- Heavy-duty structure for high durability.
- Full compatibility with drywall Partition.

HMPS (Hollow Metal Pressed) Door



HMPS (Hollow Metal Pressed) Door

Manufactured with rust resistant galvanized steel, doors are available in 20 gauge, 18 gauge and 16 gauge. All ACODOR doors are constructed to meet the most rigid architectural demands.

Made with high density honeycomb core, laminated under pressure along with interlocking lock seam edges which ensure durability.

Features :

- Low cost
- Free From Pests & Termites
- Safety from Burglars
- Protection from Atmospheric Conditions
- Easy to Install

Applications :

- Defense Housing Projects
- Sanitation Projects
- Economical Government Projects
- Site Offices
- Prefab Housing
- Temporary Housing Schemes
- Highway Projects

Wooden Finish Steel Door



Office Door / Residential Door

ACODOR branded office or entrance door is specially designed to give aesthetic look as well as safety to all entrance.

ACODOR's range of residential doors offers the perfect combination of strength, elegance and functionality. Made of steel, they present a host of advantages over their wooden counterparts. These doors, enhanced by steel's robust natural strength and safety, are unaffected by termites, moisture and maintenance. They have been designed to suit various applications, such as entrance, internal, bedroom, kitchen, balcony, toilets and garages. They come factory finished with a modern appearance, vibrant colors, embossed or woodgrain finish to cater to a wide range of aesthetic demands of a modern-day home. Easy to install and use, with no carpentry, these doors are ideal for day-to-day home use.



Termite Proof



Weather Proof



Fire Resistant



Eco-friendly



Easy to Install

Features

- Zero maintenance
- Customised Design Options
- Sound Proof

Application

- Offices
- Cabin entrances
- Main entrances
- Conference rooms
- Cafeteria
- Institutional buildings

Sliding Door / Lead Line Door

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Acodor has wide range of Automatic Sliding Doors has been well-developed and perfectly harmonized.

They set new benchmarks in terms of safety, durability, operating comfort and noise-free operation.

Customised applications :

- Manual, Automatic, Interlocking, Hermetic Sealed, Lead Lined.
- Wide range of factory fitted hardware, vision panels and door protection.

Fire Shaft Door



Technical Specification of Trap Door :

Acodor Make Fire shaft / Electric Shaft door

Application :

Designed for use in to protect Electric Shaft & fire Shaft

Electric Shaft Door



Vision Panel :

Clear Glass with Rubber gasketing

Hinge :

Concealed Hinges.

Surface Finish :

Powder coated color finish.

Stainless Steel Flush Door



Stainless steel doors give architects and designers a sleek aesthetic option to satisfy today's style preferences.

Not only used for its beauty, stainless steel is ideal for clean room environments and areas susceptible to moisture.

Applications

- High style architectural environments • Health care facilities • Pharmaceutical plants • Commercial or institutional projects
- Food processing • Exterior in coastal areas • Water treatment • Research laboratories • Chemical plants

Trap Door

(Fire Rated / Non Fire Rated)



Trap Door (Fire Rated / Non Fire Rated)

Acodor manufacture high class Trap Doors in metal and MDF face options.

We had supplied more than 300 Access Panels and hatches to all parts of India.

We have supplied more than 500 trap doors to Civil hospital and zydus hospital.

Gypsum Board Access Panel



Gypsum Board Access Panel

Construction :

Inner frame : High quality extruded aluminum Alloy

Out frame : High quality extruded aluminum Alloy



Sales Network

Domestic

Delhi
Mumbai
Pune
Indore
Bhubaneswar

International

Nepal
Kenya



Global Presence



Factory :
Plot No - 298, Road No 4, GIDC, Kathwada,
Ahmedabad -382430. Gujarat
Phone : 079 - 2290 3060

Office :
No. 106, Shivalay Gold,
Near Amar Jawan Chowk, Nikol,
Ahmedabad - 382 350. Gujarat

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