



Protecting Property
Saving Lives



FIRE **RATED** **DOOR**

C.B.R.I. (Roorkee) Tested

Tested & Approved by



SPECTRO
Analytical Labs Limited



www.asesindia.com

ABOUT THE COMPANY

ASES has its corporate head office in Ghaziabad, U.P and branch offices in major cities. We have a distinctive niche in manufacturing a wide range of Fire Alarm System (Conventional/ Addressable), Fire Rated Doors, Electrical Control Panels, Fire Suppression Systems, and Emergency-Exit-Lights.

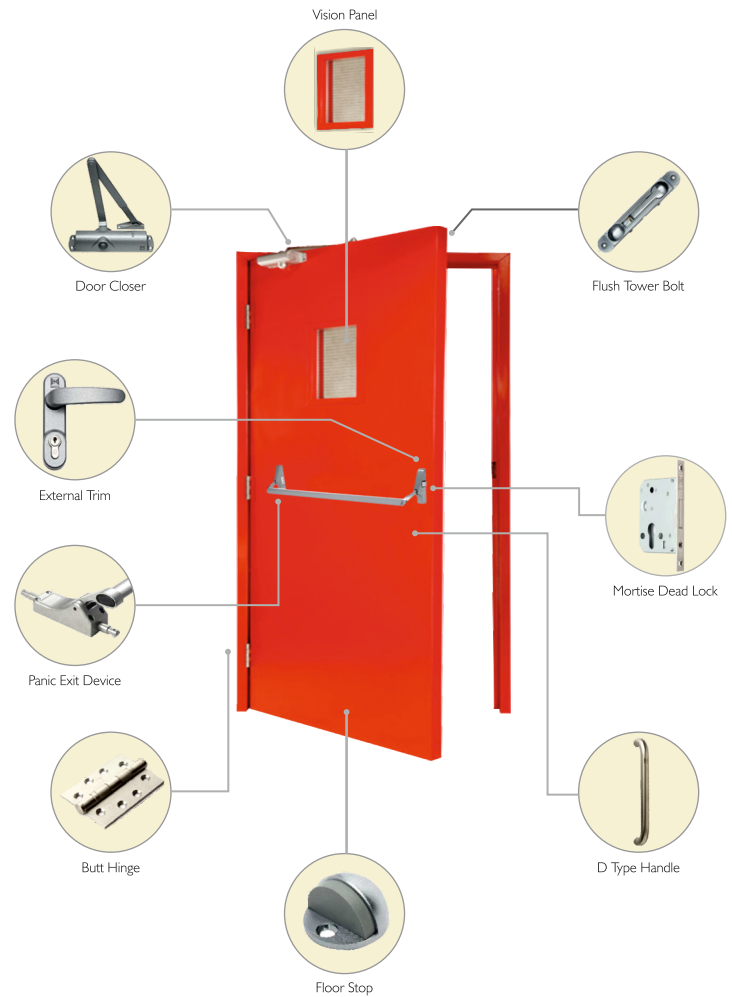
ASES's manufacturing is always in progress to the best and we do have two bigger units for production. We aim at manufacturing our products to not only have a beautiful appearance but also that the customers perceive something of great intrinsic value when they use it. We constantly strive to create future products that can prevent economic lows with technological highs.

The future of its manufacturing is that ASES is to play an indispensable role in an Indian supply chain. This would be achieved by having the strength of the three combined effects; meeting the needs of the marketplace, advanced technology, and high quality. Therefore, we will continue to provide the market with reliable quality by making full use of our core technology of forging and investing for the future.

Our success will be validated when the end users use the product and "feel the utmost protection to the wealth". We will create an unlimited future through valued manufacturing. The company has core staff strength at the executive level, sales, research & development, production, quality, technical support and associated departments etc. in complete customer satisfaction in all areas of activities. A complete and integrated network of engineers, management professional's also abundant skills and resources make it easier to cater to all sorts of requirements of our valued customers.

In a significant development, ASES has offices in Ghaziabad (U.P.), Delhi, Kolkata, Mumbai and Bangalore. Our fire rated doors are tested as per BS: 476, Part-20 & 22 CBRI Roorkee.

FIRE RATED HARDWARE



Fire doors hardware mean all the elements that take place in tests of resistance against fire in doors, such as locks, hinges, door closers, handles, panic bars, etc.

Approvals



And many more...



UL Product iQ®



GWZQ.R40914 - Door Hinges

Door Hinges

R40914

Ases Security Pvt Ltd
 A - 2/69, Site IV, Sahibabad
 Industrial Area
 Ghaziabad, Uttar Pradesh 201010 India

Hinge, Models ASESHG-2BB403030, ASESHG-2BB403530, ASESHG-2BB404030, ASESHG-2BB454030, ASESHG-2BB454034, ASESHG-2BB454530, ASESHG-2BB454534, ASESHG-2BB503030, ASESHG-2BB503530, ASESHG-2BB504030, ASESHG-2BB403030R, ASESHG-2BB403530R, ASESHG-2BB404030R, ASESHG-2BB454030R, ASESHG-2BB454034R, ASESHG-2BB454530R, ASESHG-2BB454534R, ASESHG-2BB503030R, ASESHG-2BB503530R, ASESHG-2BB504030R for use on swinging-type fire doors, rated. Investigated to ANSI/BHMA A156.1.

Also evaluated in accordance with Standard UL 10C

Types of Doors

Fire doors are a type of door used to contain a fire in a certain part of a building. They form part of a passive fire protection system. The walls around fire doors are also often made to be fire-resistant. Fire doors and walls have hourly ratings, which express the time that they are able to stand up to fire in test conditions.



Metal Fire Rated Door



Wooden Rated Door



Glazed Door

Fire Rated Doors

CBRI Tested Wooden & Steel Fire Doors as per BS :476 Part - 22 & IS : 3614 Part - II, Single /Double Leaf (Hinged or Automatic Sliding) are available in 60/120 minutes fire rating fulfills all the three criteria stability, integrity and insulation.



120 Minutes Fire Rated Wooden Fire Doors

DOOR FRAME :

Wooden Door Frame made of hard wood/ teak wood of section 140mm x 70mm with heat activated intumescent fire seal strip of section 12mm x 5mm and one coat of Fire & anti-termite primer.

DOOR SHUTTER :

55mm thick asbestos free composite Fire / Smoke check wooden shutters of 120 minutes fire resistance rating confirming to BS : 476 Part - 22 & IS : 3614 Part -II comprising of two 12mm thick calcium silicate boards sandwiching 23mm thick Proprietary fire resistance insulation material faced with 4mm commercial ply on both side with heat activated intumescent fire seal strip of size 12mm x 5mm mounted on grooves on three sides except bottom.



120 Minutes Fire Rated Metal Door

48 mm thick Metal Fire Door of 60/120 minutes Fire rating confirming to BS : 476 Part-22and IS : 3614 Part-II Fabricated with 2 nos 18SWG galvanized steel sheet sandwiching with proprietary fire resistant insulation materials in-between. The door frames are manufactured from 16SWG galvanized steel sheet pressed form to double rebate profile of size 143mm x 60mm. The door frame and door shutter are fitted with SS BALL BEARING HINGES' and are coated with one coat of fire and corrosion resistant primer.



60 Minutes Fire Rated Wooden Fire Doors

DOOR FRAME :

Wooden Door Frame of hard wood / teak wood of section 115mm x 65mm with heat activated intumescent seal strip of size 12 x 5mm and one coat of Fire & anti-termite primer.

DOOR SHUTTER :

42mm thick asbestos free composite Fire / Smoke check shutters of 60 minutes fire rating confirming to BS: 476 Part - 22 & IS : 3614 Part - II comprising of two 12mm thick Calcium Silicate boards sandwiching 10mm thick Proprietary fire resistance insulation material faced with 4mm thick commercial ply facing on both sides with heat activated intumescent fire seal strip size 12mm x 5mm mounted in the grooves on three sides except bottom.



120 Minutes Fire Rated Glazed Door

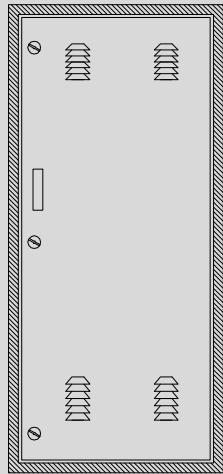
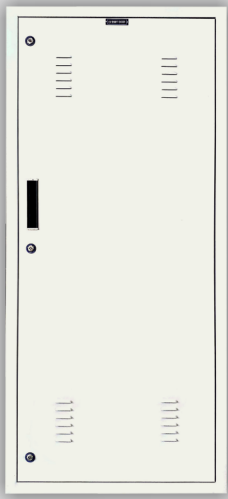
This type of Doors can be of two types

- Door with Wired Glass
- Door with Cleared Glass

The Frame & Glass beading can be of two types

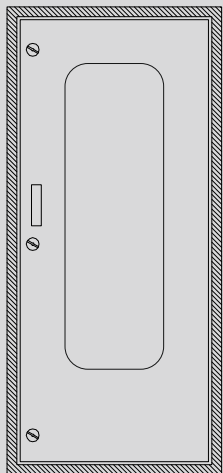
- Wooden (Confirming 120 min Fire Certificate)
- MS (Confirming 120 min Fire Certificate)

Shaft Doors



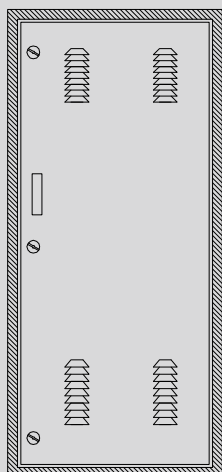
LV Shaft Door

- Frame & Shutter 1.6 / 1.2 mm thick made of GI / CRCA sheet
- Light Grey / Siemens Grey colour powder coated finish
- 65 micron powder coated thickness
- Locking arrangement is provided
- Chest handel is provided
- Customized design & size available



Fire Shaft Door

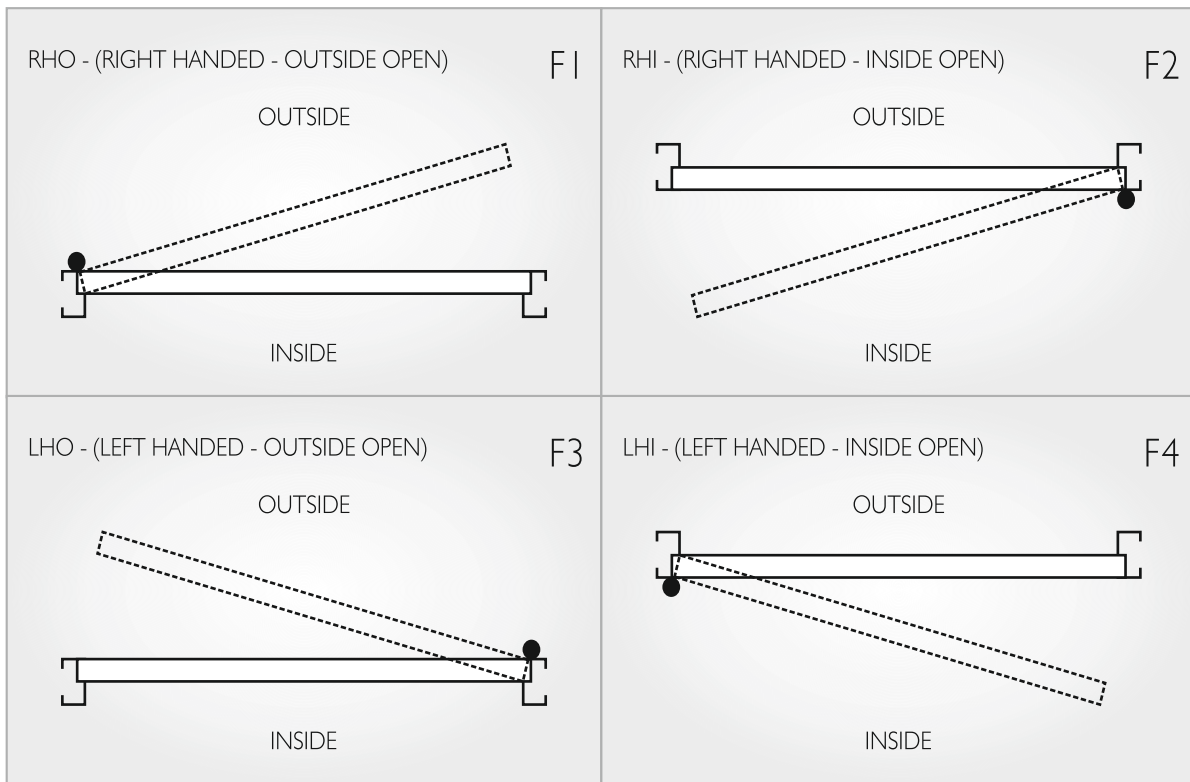
- Frame & Shutter 1.6 / 1.2 mm thick made of GI / CRCA sheet
- Red colour powder coated finish
- 5 mm thick clear glass
- 65 micron powder coated thickness
- Locking arrangement is provided
- Chest handel is provided
- Customized design & size available



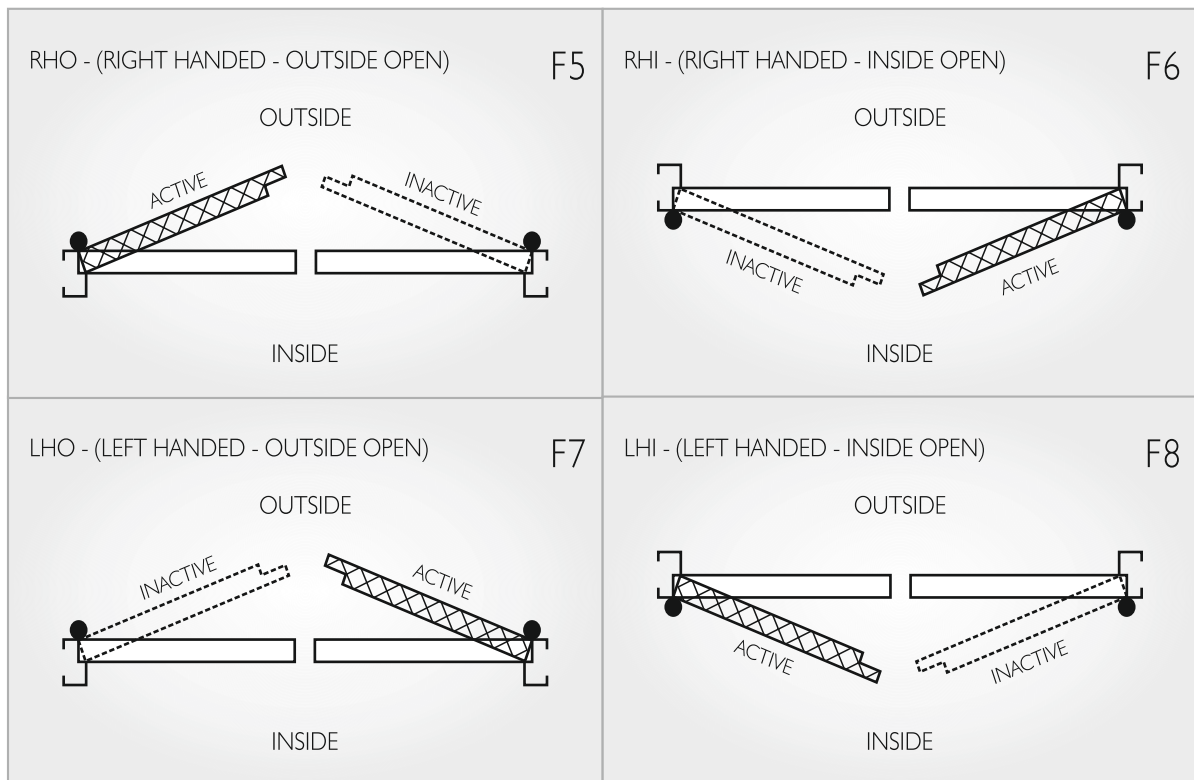
Electrical Shaft Door

- Frame & Shutter 1.6 / 1.2 mm thick made of GI / CRCA sheet
- Light Grey / Siemens Grey colour powder coated finish
- 65 micron powder coated thickness
- Locking arrangement is provided
- Chest handel is provided
- Customized design & size available

Single Shutter Door



Double Shutter Door



Our Client

1. Jai Prakash Associates Ltd. G.Noida-U.P., 2. Signature Global (India) Ltd.-Gurgaon Haryana , 3. Mahagun India Pvt Ltd.-G.Noida -U.P., 4. Ambience Private Limited-Noida -U.P., 5. Aarogya Hospital-Delhi, 6. Aero Tree Hospitality and Retail Pvt.Ltd-Delhi, 7. Pareena Infrastructure Pvt Limited-Haryana, 8. Prateek Realtors India Pvt.Ltd.-G.Noida, 9. Nirala Estate G.Noida, 10. Pandit Deendayal Antyodaya Bhawan-CGO Complex -Delhi, 11. Ramesh Construction Company-Golden Park Rampura Delhi, 12. Brij Gopal Construction Company Private Limited-Delhi, 13. Girdhari Lal Constructions Pvt. Ltd.-Delhi, 14. Bikhaji Maintenance Combine-Delhi, 15. Ramprastha Commercials Pvt. Ltd.-Haryana, 16. Beaver International India Pvt Ltd.-The Iconic Tower -Noida 17. Mediland Fire Engineers & Consultants-Delhi, 18. DK Engineers-PYRAMID HEIGHTS-Haryana, 19. Ahluwalia Construction Group-Delhi, 20. Nitsui India Pvt. Ltd.-Noida., And many more...

Legal Requirements

The use of FIRE DOORS is mandatory as per Delhi Fire Safety Act 1986 and National Building Code Part-IV. To maintain “Compartmentation” which is an Important fire safety requirement as per safety Regulations for all high rise buildings, Hospitals, Hotels and Industrial establishments.

Governing Specifications

BS : 476 Part 20 & 22	Fire Test on Buildings Material Structures.
ISO : 834	Fire Resistance Test Elements of Building Construction.
ISO : 3008	Fire Resistance Test on Doors and Shutters.
IS : 3809	Fire Resistance Test on Structures.
IS : 3614, Part II	Metallic and Non Metallic Fire Check Doors, Resistance Test and Performance Criteria

Fire Doors' Requirement - NBC of India 2016

- 2.37 Fire Exit Hardware - A door-latching assembly incorporating an actuating member or panic bar that releases the latch bolt upon the application of a force in the direction of egress travel, provided on exits.
- 3.4.5.2 For Types 1 to 3 constructions. Every wall opening shall be protected with fire-resisting doors, having the fire rating of not less than 120 min.
- 3.4.5.3 For Type 4 construction, openings in the fire separating walls or floors shall be fitted with 120 min fire-resistance rated assemblies.
- 4.4.2.4.1 Doorways
- a) All fire rated doors and assembly shall be provided with certificate and labels prominently indicating the manufacturer's identification, door details covering door type, serial/batch number, month and year of manufacture, fire resistance rating, etc. The doors and assembly shall be certified with all prescribed hardware such as hinges, locks, panic bars, door closer and door viewers.
- b) No exit door way shall be less than 1000mm in width except assembly buildings, where door width shall be not less than 2000 mm (see Fig. 8) Doorways shall be not less than 2000 mm in height.
- 4.4.2.4.3.2 Internal Staircases
- a) The minimum headroom in a passage under the landing of a staircase and under the staircase shall be 2.2 m.
- b) Access to exit staircase shall be through a fire door of a minimum 120 min fire resistance rating.
- 4.2.19 Basement
- a) Where basement is used for car parking and also there is direct approach from any occupancy above to the basement, door openings leading to the basement shall need to be protected with the doors with 120 min fire rating, except for exit discharge doors from the basements.
- 3.4.6.3.2 Dry type substation - Transformers located inside a building shall be of dry type and all substation/switch room walls, ceiling, floor, opening including doors shall have a fire resistance rating of 120 min.
- 4.2.11 Unless otherwise specified, all the exits and exit passageways to exit discharge shall have a clear ceiling height of at least 2.4 m. However, the height of exit door shall be at least 2.0 m (see Fig.5).
- 3.4.6.3 Substation/Transformers - The MV panel room shall be provided with fire resistant walls and doors of fire resistance of not less than 120 min.
- 3.4.5.4 Service ducts and shafts - Openings in walls or floors which are necessary to be provided to allow passages of all building services like cables, electrical wirings, telephone cables, plumbing pipes, etc, shall be protected by enclosure in the form of ducts/shafts having a fire resistance not less than 120 min. The inspection door for electrical shafts/ducts shall be not less than 120 min.
- For plumbing shafts in the core of the building, with shaft door opening inside the building, the shaft shall have inspection doors having fire resistance rating not less than 30 min.



Head Office

301, Aggarwal Tower, L.S.C-II, Mandawali,
Patparganj, Delhi-110092

Off. & Works - Unit 1

ASES HOUSE, A-2 / 69 Site-IV, Sahibabad
Indl. Area , Ghaziabad, U.P.-201010

Off. & Works - Unit 2

Plot No. 52, Toy City, Ecotech III, Greater
Noida, Uttar Pradesh 201306

Mumbai Office

17/A-4, Shiv Shakti Industrial Estate, Opp.
Damodar Park, LBS Marg, Ghatkopar
(W), Mumbai - 400086

Kolkata Office

Mira Bhawan, 250, Block-B, Laketown,
Ground Floor, Kolkata-700089

Bangalore Office

No -18, 2nd Floor, Matadahalli, Further
Extensions, R. T. Nagar, Next Building to
Himalaya, Bangalore- 560032