



FireDoors

The strongest barrier between your
life, assets & fire

Security is one business that constantly needs to rediscover and keep pace with technology. Newer technology means more effective and powerful solutions, which in turn translate to peace of mind.

Fire Resistant doors from Ahura Mazda .

The one name that is synonymous with fire safety - Ahura Mazda, provides ultimate security in case of an unfortunate fire.

Our HMPS, 2 Criteria and 3 Criteria Doors have been endorsed by some of the most reputed Builders and certified by leading testing laboratories. Our Fire Doors are tested as per **BS 476 Part 22 and IS 3614 Part 2 and at ARAI Pune** for stability and integrity. They are available in an extensive range from half an hour fire rating to 3 hours fire rating.

Our experience

We bring to the table innumerable years of experience having held hands with Godrej, a name to reckon with among Indian brands. We take off from where they left. For us customer satisfaction is paramount and we uphold the highest values in business ethics as we set out to carve a niche for ourselves in this critical market.

What we know that you need to know

- Typical Infrastructure Projects which involve huge capital outlay have now been mandated to have a substantial amount set aside for safety and security. We draw from our wealth of experience and provide critical inputs to safeguard and protect the project from any unfortunate episode.
- Each floor of a well planned building needs to have Fire resistant doors for: **Fire Exits, Air Conditioning Ducts & Electrical Shafts**
- Fire resistant doors are useless unless fitted properly. The frames of the fire resistant doors have to be set in such a way that at the time of fire it can make allowance for melting and expanding!
- Locks and Door Closure play a major role in providing for the safety of the enclosure's
- We offer advise on all the nuances of Fire safety! Connect with us and rest assured that you are in safe hands!

At Ahura Mazda, we believe it is better to be safe than sorry!

Contact us and put your mind at ease:

- Consultancy at no extra cost is the hallmark of our offering. Our experts will examine your floor plan and advise safety and security measures that need to be built into your project plans.
- We encourage clients and prospective clients to visit our state-of-the-art facility at Sarigam (District Vapi) and see our manufacturing process.

THE SARIGAM FACILITY

The Ahura Mazda Facility in Sarigam was built in 1999. We engage qualified technicians and engineers in a state-of-art environment which measures up to global standards to produce world class fire resistant doors.



Ahura Mazda offers Steel Doors that provide protection against fire. These doors have been designed keeping in mind the security needs and aesthetic tastes of customers.

Ahura Mazda presents you with a one-stop-shop for fire resistant doors.

Unique Features

- Scratch resistant PU Painting for long life.
- Manufactured with high quality galvanized steel which make them impervious to climatic changes and corrosion.
- Special etch primer and final coat of high quality PU paint.
- Specially designed multi bend construction with unique weld-less joinery which gives a smooth non wavy finish combined with greater strength and stability
- Fire doors can be supplied with optional accessories as we have a tie-up with other suppliers of various accessories thereby making us a one stop solution for doors.



2 Criteria Doors

Doors satisfying the 2 criteria of **Stability & Integrity Recommended for High Rise Buildings, Multiplexes, Software Parks, Auditoriums, Recording Studios, Refineries, Hotels & Restaurants, Metro Stations, Railway Stations, Pharma, Textile, Telecom Centers, & Other Industrial Plants.**

Optional Accessories - The optional accessories that can be installed with these doors are:

- **Anti-Panic Exit Device (Panic Bars)**: Available in various makes & combinations (one point, two point & three point) with / without outside access device.
- **Door Closers**: Available in various makes and categories ranging from light duty to heavy duty & non-fire rated to fire rated.
- **Vision Panel**: Available in wired & clear glass (rectangular/square) options with fire rating to match to the rating of the door.
- **Hardware Fittings** of various makes & combinations. Locks/ Handles/ Tower Bolts / Aldrops / Latches / Door Stoppers etc.
- **Smoke Seals & Door Bottoms, Intumescent strips.**
- **Provision for access control.**

Core Options.

Core	Mineral Wool	HoneyComb
Frame (galvanised sheet thickness)	1.6mm	1.2mm
Frame Rebate	Double	Double
Shutter Sheet Thickness	1.25mm	0.8mm
Shutter Thickness	43mm	43mm

3 Criteria Doors

Doors satisfying the 3 criteria of **Stability, Integrity & Insulation.**

Recommended for:

- Nuclear Plants
- Paint stores
- Data Centres
- Auditoriums / Recording Studios
- Refineries
- Electrical Shaft rooms
- Hotels / Restaurants
- Metro Stations
- Pharma
- Textile
- Telecom Centers
- Other Industrial Plants



Optional Accessories - The doors can be supplied with optional accessories which have to be surface mounted, as we have tie-ups with other suppliers of various forms of accessories thereby making us a one stop solution for doors. The optional accessories that can be installed with these doors are:

- **Anti-Panic Exit Device (Panic Bars):** Available in various makes with 3 point locking.
- **Externally fitted Door Closers:** Heavy duty door closers available in various makes and categories like fire rated and non-fire rated.
- **Vision Panel:** Available in Wired & Clear glass (Rectangular/ square)
- **Externally fitted Hardware Fittings** of various makes & combinations. Locks/ Handles/ Tower Bolts / Aldrops / Latches / Door Stoppers etc.
- **Smoke Seals & Door Bottoms, Intumescent strips.**
- **Provision for Access Control.**

Specifications:

Frame

1. Fabricated from 1.6 mm.thick Galvanized sheet
2. Single rebate step construction

Shutter

1. Made from 1.25 mm.thick Galvanized sheet
2. Shutter thickness 60 mm.

Painted Flush Panel Doors / Hollow Metal Pressed Steel (HMPS) Doors and Stainless Steel (SS) Doors:

These doors are designed for aesthetics and long life so as to give security in addition to zero maintenance. With the combination of light weight and the strength of steel these doors are ideal for day to day usage. These come with numerous option of accessories making them suitable for general purpose doors, air tight doors, clean room doors, pharma doors etc. The doors are given a scratch resistant PU painting giving it long life and a zero maintenance tag. A complete SS door can also be made.



Recommended for

- Residential & Commercial Buildings
- Offices Banks
- Shopping Malls
- Multiplexes
- Auditoriums / Recording Studios
- Pharmaceuticals
- Software Parks
- Telecom Centers
- Railway Stations
- Hotels / Restaurants
- Laboratories etc.

Optional Accessories - The doors can be supplied with optional accessories as we have tie-ups with other suppliers of various accessories thereby making us a one stop solution for doors. The optional accessories that can be installed with these doors are:

- **Door Closers:** Available in various makes and categories ranging from light duty to heavy duty. Concealed Door Closers are also available for Pharma / Clean room applications.
- **Vision Panel:** Available in rectangular & square option. These can be totally flush with the shutter for clean room.

Pharma Applications

- **Hardware Fittings** of various makes & combinations. Locks/ Handles/ Tower Bolts / Aldrops / Latches / Door Stoppers | Magic eye/ Safety chain etc.
- **Smoke Seals & Door Bottoms, Intumescent strips.**
- **Provision for Access Control.**

Specifications:

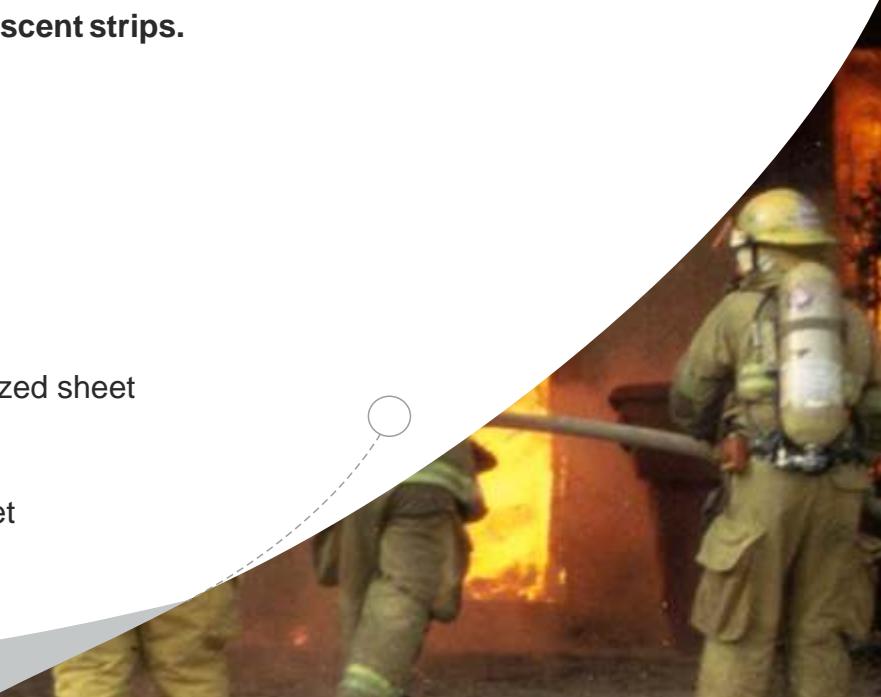
Core : Honey Comb

Frame

1. Fabricated from 1.25 mm. thick Galvanized sheet
2. Double Rebated

Shutter

1. Made from 0.8 mm.thick Galvanized sheet
2. Shutter thickness 43mm.





The Automotive Research Association of India
Government Association of the Automotive Industry with the Ministry of Heavy Industries & Public Enterprises, Govt. of India

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TEST REPORT ON FIRE RESISTANCE EVALUATION ON IN-SULATED SINGLE LEAF DOOR FOR 3 HOURS RATING

Test Report No. CAEP/2020/11/344 (V3/234)

16 November 2011

1.0 CUSTOMER NAME : Ashra Masha Manufacturing Co Pvt Ltd.

Morris House, Behind CIO Office
LBS Marg, Chhatrapati Shivaji
Mahanagar (W)
Mumbai 400 086

2.0 LETTER REF. : Email of 27th May 2011 from Ashra Masha, Mumbai

3.0 TEST COMPONENT : Insulated Single leaf door (with panic bar) of size 1900 mm (width) x 3100 mm (height) and 90 mm shutter thickness with Ceramic material intact. (Please refer drawing no. 284-2001 enclosed, provided by Sodha and Boyce Mfg. Co. Ltd. Given in Annexure-I)

4.0 OBJECTIVE : Evaluation of the fire resistance of insulated single leaf door in terms of stability, insulation and integrity for 3 h rating as per IS 3614 (Part 2)-1992 and in terms of integrity and insulation for 3 h rating as per IS 476 (Part 26 & 27)-1967.

5.0 TEST PROCEDURE :

The fire resistance test was carried out according to the clauses 9.1 of IS 3614 (Part 2)-1992 and clause 6 of IS 476 (Part 26 & 27)-1967.

6.0 CRITERIA OF FAILURE:

- 6.1 IS 3614 (part 2)-1992:
 - i) During the test, the cotton pad provisions apply.
 - ii) During the test, 5-mm gap gauge provisions apply to any other gap other than at sill level.
 - iii) During the test, the 25-mm gap gauge provisions apply to any gap.
 - iv) During the test, the requirements concerning sustained burning apply.

CONT...

Test Site : G. No. 102, Aayi-01, Bhilai Road, Kalyan, Powai, E.C.O. (Bandra), P. B. No. 123, Powai E.C.O. (Bandra), Mumbai - 400 051, Maharashtra, India. Phone: +91 22 2555 0000, Fax: +91 22 2555 0001, Email: info@araindia.com, Website: www.araindia.com

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TEST REPORT ON FIRE RESISTANCE EVALUATION ON UN-IN-SULATED SINGLE LEAF DOOR FOR 2 HOURS RATING AS PER IS 3614 – PART 2: 1992

Test Report No. GAED/3614-11/345/2526

16 July 2011

1.0 CUSTOMER NAME : Ashra Masha Mfg. Co. Pvt. Ltd.

Plot No. 14/404, Sector 1, Noida, Uttar Pradesh, India.
Tel: 0120-42321775, Fax: +91 120 42321775, Email: info@araindia.com

2.0 LETTER REF. : Email dated 07th June 2011 from Ashra Masha

3.0 TEST COMPONENT :

Un-insulated single leaf door (no panic bar) of size 1900 mm (width) x 3100 mm (height) and 43-mm shutter thickness. (Please refer drawing no. 284-2001 dated 14-07-2011 enclosed, provided by Sodha & Boyce Mfg. Co. Ltd. Given in Annexure-I)

4.0 OBJECTIVE :

Evaluation of the fire resistance of un-insulated single leaf door in terms of stability, insulation and integrity for 2 h rating as per IS 3614 (Part 2)-1992.

5.0 TEST PROCEDURE :

The fire resistance test was carried out according to the clauses 9.1 of IS 3614 (Part 2)-1992.

6.0 CRITERIA OF FAILURE:

- The criteria for integrity failure according to Clause 9.7.5 of IS 3614 (part 2)-1992 shall be as follows:
- i) During the test, if men gap gauge can penetrate through the gap such that the end of the gauge projects into the surface and the gauge can be moved in the gap by a distance of at least 150 mm, to any other gap other than at sill level.
 - ii) During the test, the 25-mm gap gauge can penetrate a through gap such that the end of the gauge projects into the surface to any gap.
 - iii) During the test, if collapse or sustained burning on the unexposed face occurs.

CONT...

Test Site : G. No. 102, Aayi-01, Bhilai Road, Kalyan, Powai, E.C.O. (Bandra), P. B. No. 123, Powai E.C.O. (Bandra), Mumbai - 400 051, Maharashtra, India. Phone: +91 22 2555 0000, Fax: +91 22 2555 0001, Email: info@araindia.com, Website: www.araindia.com

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TEST REPORT ON FIRE RESISTANCE EVALUATION ON IN-SULATED DOUBLE LEAF DOOR FOR 2 HOURS RATING

Test Report No. CAEP/2020/11/346 (V3/235)

16 November 2011

1.0 CUSTOMER NAME :

Ashra Masha Manufacturing Co Pvt Ltd
Morris House, Behind CIO Office
LBS Marg, Chhatrapati Shivaji
Mahanagar (W)
Mumbai 400 086

2.0 LETTER REF. :

Email of 28th May 2011 from Ashra Masha, Mumbai

3.0 TEST COMPONENT :

Insulated Double leaf door (with panic bar) of size 1900 mm (width) x 2100 mm (height) and 90 mm shutter thickness with Ceramic material intact. (Please refer drawing no. 284-2003 given in Annexure-I)

4.0 OBJECTIVE :

Evaluation of the fire resistance of insulated double leaf door in terms of stability, insulation and integrity for 2 h rating as per IS 3614 (Part 2)-1992.

5.0 TEST PROCEDURE :

The fire resistance test was carried out according to the clauses 9.1 of IS 3614 (Part 2)-1992.

6.0 CRITERIA OF FAILURE:

- i) During the test, the cotton pad provisions apply.
- ii) During the test, 5-mm gap gauge provisions apply to any other gap other than at sill level.
- iii) During the test, the 25-mm gap gauge provisions apply to any gap.
- iv) During the test, if collapse or sustained burning on the unexposed face occurs.

CONT...

Test Site : G. No. 102, Aayi-01, Bhilai Road, Kalyan, Powai, E.C.O. (Bandra), P. B. No. 123, Powai E.C.O. (Bandra), Mumbai - 400 051, Maharashtra, India. Phone: +91 22 2555 0000, Fax: +91 22 2555 0001, Email: info@araindia.com, Website: www.araindia.com

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TEST REPORT ON FIRE RESISTANCE EVALUATION ON UN-IN-SULATED DOUBLE LEAF DOOR FOR 2 HOURS RATING AS PER IS 3614 – PART 2: 1992

Test Report No. CAE/21/3213/2/21/14/20/23/23/26

15 July 2011

1.0 CUSTOMER NAME :

Ashra Masha Mfg. Co. Pvt. Ltd.
Morris House, Behind CIO Office
LBS Marg, Chhatrapati Shivaji
Mahanagar (W)
Mumbai 400 086

2.0 LETTER REF. :

Email dated 17th June 2011 from Ashra Masha

3.0 TEST COMPONENT :

Un-insulated Double leaf door (no panic bar) of size 1900 mm (width) x 2100 mm (height) and 43-mm shutter thickness. (Please refer drawing no. 284-2001 dated 14-07-2011 enclosed, provided by Sodha & Boyce Mfg. Co. Ltd. Given in Annexure-I)

4.0 OBJECTIVE :

Evaluation of the fire resistance of un-insulated double leaf door in terms of stability, insulation and integrity for 2 h rating as per IS 3614 (Part 2)-1992.

5.0 TEST PROCEDURE :

The fire resistance test was carried out according to the clauses 9.1 of IS 3614 (Part 2)-1992.

6.0 CRITERIA OF FAILURE:

- i) During the test, if men gap gauge can penetrate through the gap such that the end of the gauge projects into the surface and the gauge can be moved in the gap by a distance of at least 150 mm, to any other gap other than at sill level.
- ii) During the test, the 25-mm gap gauge can penetrate a through gap such that the end of the gauge projects into the surface to any gap.
- iii) During the test, if collapse or sustained burning on the unexposed face occurs.

CONT...

Test Site : G. No. 102, Aayi-01, Bhilai Road, Kalyan, Powai, E.C.O. (Bandra), P. B. No. 123, Powai E.C.O. (Bandra), Mumbai - 400 051, Maharashtra, India. Phone: +91 22 2555 0000, Fax: +91 22 2555 0001, Email: info@araindia.com, Website: www.araindia.com

Certificates



Standard Sizes:



Single Leaf Doors

2 Criteria FIRE DOORS / FLUSH PANEL DOORS:

- 900 x 2100 mm.
- 950 x 2100 mm.
- 1000 x 2100 mm.
- 1100 x 2100 mm.
- 1200 x 2100 mm.

3 Criteria FIRE DOORS:

- 900 x 2100 mm.
- 950 x 2100 mm.
- 1000 x 2100 mm.
- 1050 x 2100 mm.



Double Leaf Doors

2 Criteria FIRE DOORS / FLUSH PANEL DOORS:

- 1400 x 2100 mm.
- 1500 x 2100 mm.
- 1600 x 2100 mm.
- 1800 x 2100 mm.

3 Criteria FIRE DOORS:

- 1400 x 2100 mm.
- 1500 x 2100 mm.
- 1600 x 2100 mm.
- 1800 x 2100 mm.
- 2000 x 2100 mm

*Note: Shutter Width below 650 mm. is not recommended.



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