



**DOORS & DOORS**

DESIGN ● ENGINEERING ● CONSULTANCY

**excellence delivered**

**FIRE DOOR**

# 01 THE IMPORTANCE OF FIRE DOORS

In any building, you have the right to expect that you will be safe and protected whenever a fire breaks out. Sadly, this is not always the case. Sometimes, something within the fabric of the building or fire safety devices fail and tragedy occurs causing serious injury and in some cases even death.

Fire doors are part of a building's passive fire protection system; an essential requirement for all public buildings, offices, factories and residences.

The purpose of a wooden fire door in everyday life is the same as any other door, except that, when a fire breaks out, the door must perform its prime purpose of protecting lives and offering stability, insulation and integrity. This is exactly what Fire Doors achieve for the remainder of the building and other things within the building.

# 02

## KNOW YOUR FIRE DOOR!

Doors & Doors India Pvt. Ltd., can offer assistance in developing cost effective, innovative solutions to meet the most demanding specifications. PROMAT calcium silicate boards, Promatech H, Promina 60 and complementary lighter version Promatech L500 are used in our Fire Doors. These Fire Doors have passed stringent tests. Our team of highly trained specialists provides technical support during estimation until design and manufacturing. Doors & Doors India Pvt. Ltd., have been manufacturing Fire Doors since 2004.



# 03 WOODEN FIRE DOOR

Doors & Doors India Pvt. Ltd., brings you Acoustic Wooden Fire Doors, which provides you with a multifunctional product i.e. a combination of fire as well as sound retardant properties. The construction of the wooden fire door with sound retardant properties are the same as that of a Standard Wooden Fire Door with the addition of an Automatic Drop Seal and Silicon Self Adhesive Seals on the sides of the panel.

- A fire door is a type of door, or closure used as a passive fire protection item within buildings to prevent the spread of fire. It usually is the only means of allowing people to pass through and or to escape. It provides critical insulation from fireside in the escape stairwell.
- Designed to meet the life safety requirements in various types of buildings and structures that are compartmentalized to contain the spread of fire, these doors complement existing passive fire fighting systems.
- The necessity of these doors is governed by national building codes as well as directive of local fire fighting and municipal authorities. These doors in general are certified for 30,60,90 and 120 minute, fire rating.

## INSIDE ELEVATION

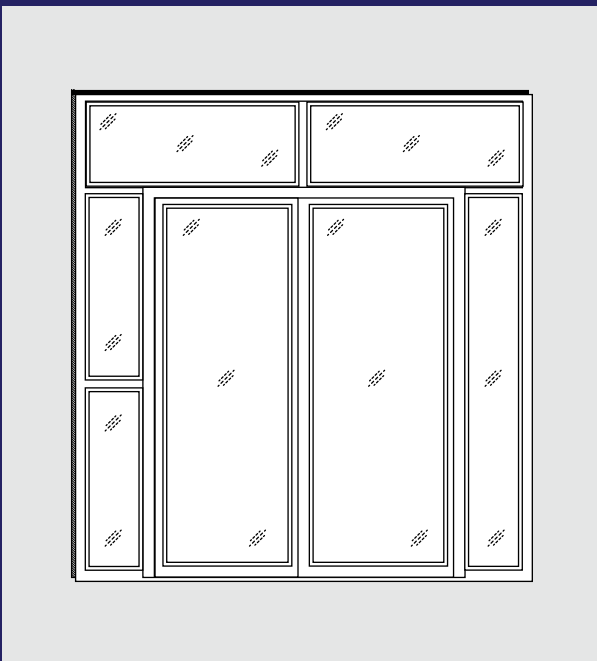
DOUBLE LEAF 120 MIN FIRE RATED DOOR  
SIZE : 2400 mm x 2700 mm x 90 mm Thick  
SINGLE SHUTTER WEIGHT : 180 kg.



# 04

## KNOW YOUR FIRE DOOR!

Fire Resistant Glass MS Framed Glazed Fire Doors System Doors & Doors System (I) Pvt., Ltd., has launched Glazed Fire Doors System with MS 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, Doors & Doors are able to offer you a stunning slim - line Mild Steel & Stainless steel frame for fire rated glass doors.
- Our minimal welded steel frames offer outstanding performances for fire resistance and smoke control providing the perfect solution for modern office buildings, schools and hospitals, where aesthetic and the ability to meet stringent building regulations must go hand in hand.

# 05

## ENSURING BUILDING SAFETY

The most tangible of all visible mysteries - FIRE.  
Natural disasters or calamities cannot be avoided  
but we can control the spread of fire and smoke  
through buildings.

How can we ensure a building is safe from fire?

- Proactive fire protection
- Active fire protection
- Means of escape
- Access and facilities for the fire service

Role of Proactive Fire Protection

- Ensure the safe escape of building occupants
- Give fire fighters the time to rescue occupants
- Property Protection
- Preventing economic damage

# 06

Sr. No.	Rating	Size		Shutter Thickness	Test done in following Research Institute	Objective
		Width	Height			
1.	120 min	1200 mm	2700 mm	90 mm	Indian Plywood Industries Research & Training Institute (IPIRTI)	Doors was tested in accordance with BS 476-Part 22:1987, Determination of fire resistance of fully insulated door & shutter assemblies .
2.	120 min	2400 mm	2700 mm	90 mm	Indian Plywood Industries Research & Training Institute (IPIRTI)	Doors was tested in accordance with BS 476-Part 22:1987, Determination of fire resistance of fully insulated door & shutter assemblies .
3.	120 min	1200 mm	2400 mm	64 mm	Spectro SSA Labs Pvt. Ltd.	Doors was tested in accordance with BS 476-Part 20, Determination of fire resistance of fully insulated door & shutter assemblies with drywall
4.	120 min	1000 mm	2100 mm	60 mm	The Automotive Research Association of India (ARAI)	Evaluation of the fire resistance of insulated single leaf wooden door in terms of stability, integrity & insulation as per IS 3614 Part(2):1992
5.	120 min	1000 mm	2150 mm	63 mm	The Automotive Research Association of India (ARAI)	Measurement of sound transmission loss of above mentioned mercury acoustic and fire doors as per ASTM E-413 and weighted sound reduction index R W (C; Ctr) & spectrum adaptation term as per ISO 717-1
6.	60 min	1000 mm	2150 mm	53 mm	The Automotive Research Association of India (ARAI)	Measurement of sound transmission loss of above mentioned mercury acoustic and fire doors as per ASTM E-4 13 and weighted sound reduction index R W (C; Ctr) & spectrum adaptation term as per ISO 717-1
7.	30 min	1000 mm	2150 mm	40 mm	Indian Plywood Industries Research & Training Institute(IPIRTI)	30 Minutes mercury fire rated wooden door(Shutter + Frame). Tested for fire rating of 30 minutes as per BS 476 Part (20 & 22):1987



[www.ddoors.com](http://www.ddoors.com)

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