

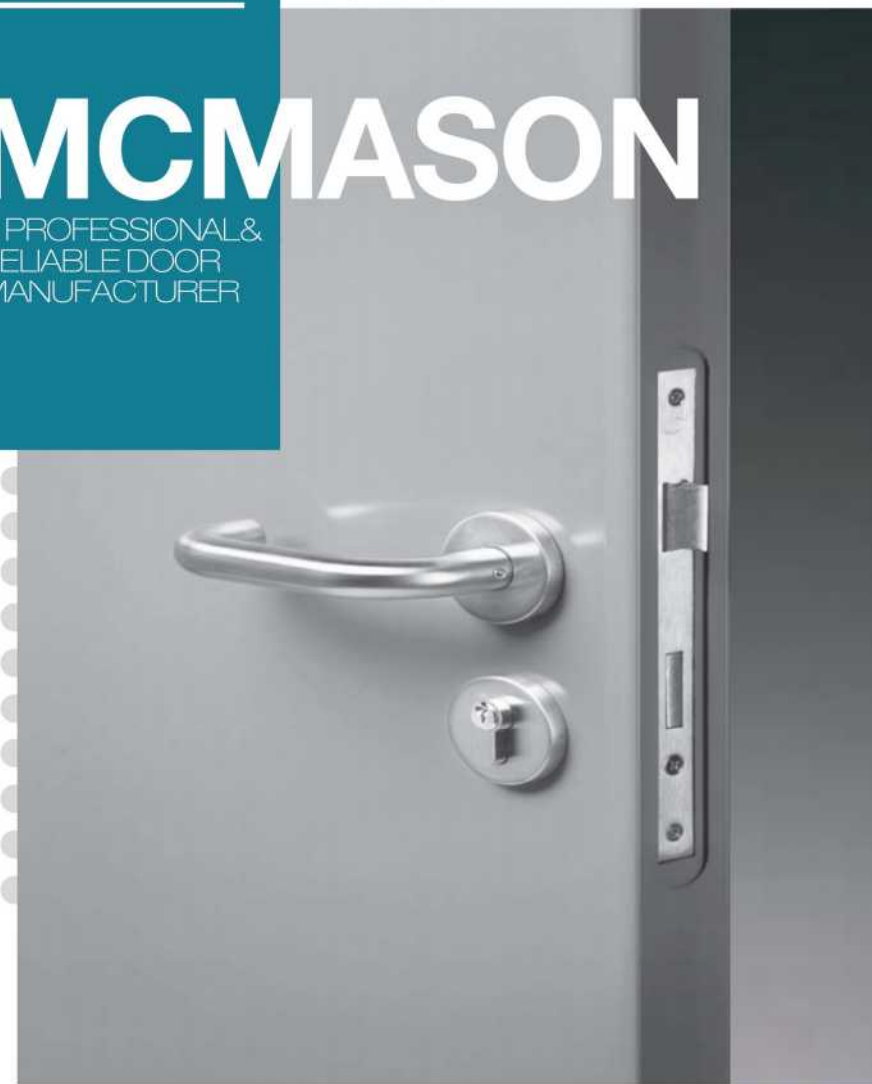


MCMASON TECH.CO.,LTD.  
NO. 1069, GAOYANG ROAD, HECHUAN DISTRICT, CHONGQING OF CHINA.  
EMAIL: INFO@MCMASON.COM



# MCMASON

A PROFESSIONAL &  
RELIABLE DOOR  
MANUFACTURER



# FIRE RATED DOOR

CHONGQING MCMASON TECH. CO.LTD

## NO.1

INTRODUCTION TO MCMASON

03-04

### STEEL FIRE RATED DOOR

05-16

Door leaf and frame features

Door styles

Door construction

Applications

## NO.2

### WOODEN FIRE RATED DOOR

17-24

Features & Standard details

Specifications

Color chart

Door design collection

HANDING OF DOOR & IRONMONGERY

25-26

# MCMASON

# CONTENT

# MCMASON

## INTRODUCTION TO MCMASON

Our management team has over 60 years of combined industry experience and knowledge, dedicated to supply professionals from construction industry worldwide with top-quality doors. Over these years, we continuously invest in R&D, production line and management, strictly abide by international standards in every process from raw materials control to packaging.

Leveraging our years of unrivaled expertise, combined with new innovative engineering, we are able to provide solutions for customers to meet any need. The breadth and scope of services combined with the highest level of integrity, are what place McMason miles ahead of the competition in this Industry.

**12000+**sqm  
Production Facilities

**100+**  
Manpower

**50000+**  
Annual Door Capacity

**80%**  
Automated Production

**1000+**sqm  
Business Development &  
Customer Support Centre



# 01



**STEEL FIRE  
RATED DOOR**

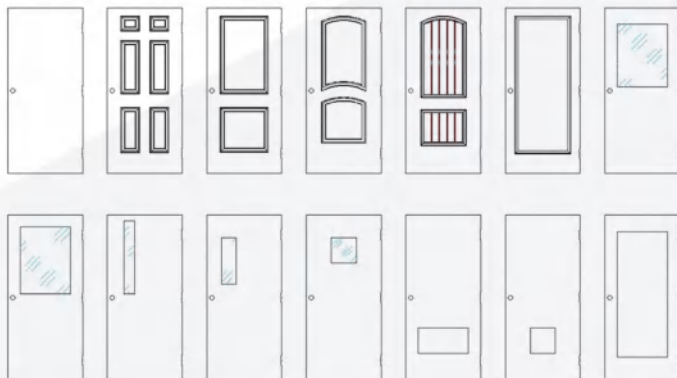
# DOOR LEAF AND FRAME FEATURES



## MAIN SPECS

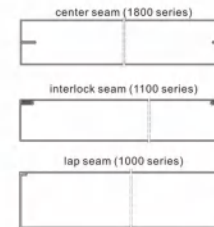
- 16, 18, 20 gauge flush and paneled doors
- Seamless door edge / edge seam optional
- Non-handed
- 3 hour WHI/UL fire, positive pressure, and smoke label
- Cold rolled or A40 galvanized steel
- Prime painted with baked on water base paint
- 7 gauge hinge reinforcements
- 10 gauge closer reinforcement
- 16 gauge flush sealed top channel / inverted bottom channel
- Closed hinge cavity
- High density full body polystyrene or honeycomb core
- Blank edge door includes rim exit device reinforcements
- Individual protective packaging

## Door Styles

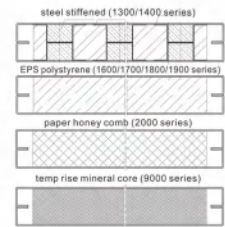


## DOOR CONSTRUCTION

- Center seamless
- Lock seam edge
- Corner seam edge

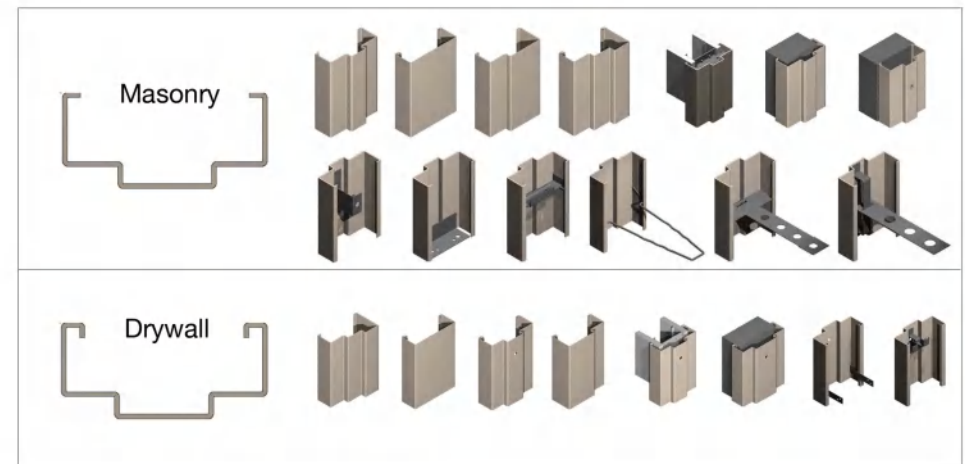
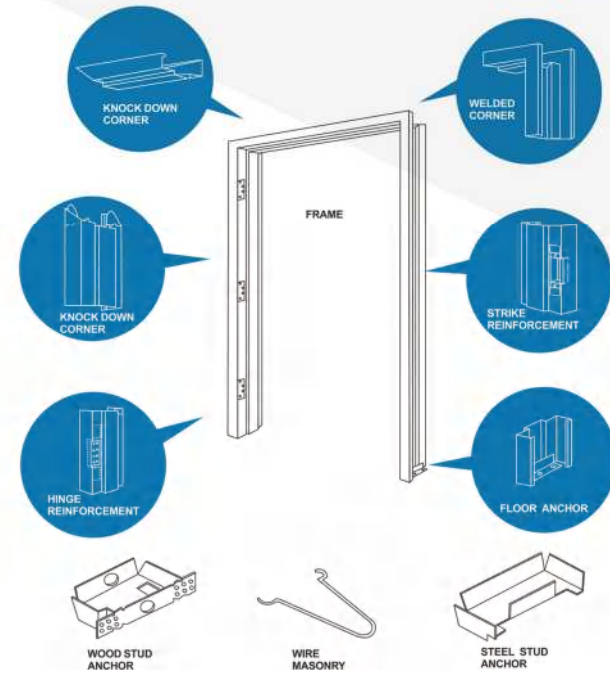
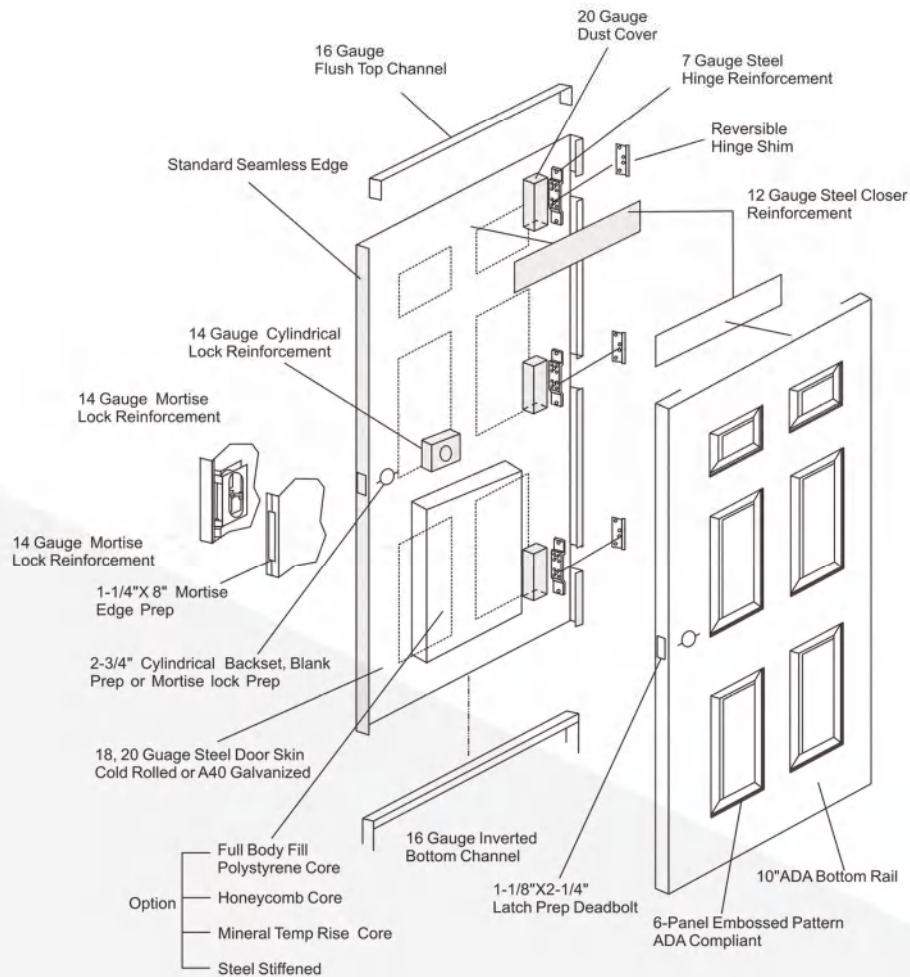


- Steel stiffener
- Polystyrene
- Honeycomb paper
- Temp rise mineral core
- Polyurethane (non-rated)





# Door & Frame construction details





## APPLICATIONS

### Fire Passage/ Corridor fire rated doors

Fire resistant  
 Water resistant  
 Impact resistant  
 Available with fire-proof glazing and top light.  
 Available with door closer to shut the door automatically  
 Conform or exceed SDI/HMMA industrial standards, fire tested and certified with UL, Intertek/Warnock Hersey Inc from 20Min up to 3Hr fire rating, complying these criteria as UBC 7-2-97, UL10b/c and NFPA252.



## INDUSTRY DOOR

Fire resistant  
 Water resistant  
 Impact resistant  
 Available with door closer to shut the door automatically  
 Conform or exceed SDI/HMMA industrial standards, fire tested and certified with UL Intertek/Warnock Hersey Inc form 20Min up to 3Hr fire rating, complying these criteria as UBC 7-2-97, UL 10b/c and NFPA252.



FIRE HOSE REEL AND  
 FIRE HYDRANT

Fire door  
 Keep closed

Fire door  
 Keep closed

PUSH PUSH

## APPLICATIONS

### EMERGENCY EXIT

Fire resistant  
 Water resistant  
 Impact resistant  
 Available with door closer to shut the door automatically  
 Passed all relevant tests and inspection of National Standard for fire-rated door sets, fire rated from 20 mins up to 3 hours.







## APPLICATIONS

### OUT-PATIENT/ EMERGENCY DEPARTMENT

- Water resistant
- Impact resistant
- Easy operation
- Various options
- Precise sealing structure and high quality
- Sealing strip of the frame realize a perfect sound insulation
- Plenty of optional color
- Aluminum or steel louver to achieve perfect ventilation
- Sturdy nylon lock latch allows door to operate quietly
- Available with equal cylinder key system



### FUNCTION ROOMS

- Water resistant
- Impact resistant
- Perfect sound insulation
- Fire resistant
- Conform or exceed SDI/HMMA industrial standards, fire tested and certified with UL, Intertek/Warnock
- Hersey Inc from 20Min up to 3Hr fire rating, complying these criteria as UBC 7-2-97, UL10b/c and NFPA252.

### EQUIPMENT DOOR

- Fire resistant
- Impact resistant
- Available with door closer to shut the door automatically
- Water resistant
- Aluminum or steel louver to achieve perfect ventilation





# 02

An aerial photograph of a city skyline, likely Dubai, featuring numerous skyscrapers and a waterfront area. The image is framed by a white border. The text 'WOODEN FIRE RATED DOOR' is overlaid on a dark blue background in the bottom right corner.

**WOODEN FIRE  
RATED DOOR**



# FIRE DOOR 30MIN/60MIN



MCMASON FD30/60 Tested door and frame to ASTM E152-81A; U110©(1998);ASTM E2074(2000); NFPA 252 (2012)by Intertek.

## DOOR

Overall 1-3/4" minimum (44mm) with solid core in a high density particle board door set certified as resistant to fire for 30 & 60 minutes (Fd30/Fd60). Suitable door set for apartments, offices and commercial building facing in MDF or Veneer Hardboard according with finish Available in lipped specification. FSC® Certification applies to Standard options.

## FRAME

Solid wood Jamb and Metal Jamb available  
Adjustable architrave available

## IRONMONGERY

Stainless steel UL marked hinges  
Standard Latch or Lock  
UL certified Panic Bar (Push Bar)  
UL certified Door Closer  
Digital Lock and S.S. plate available

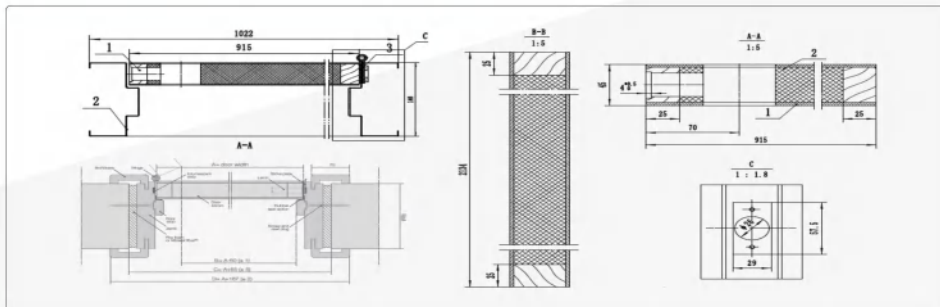
## OPTION

Automatic drop seal and Threshold available  
Oversized Door and Frame  
Pre-painted color as RAL color chart

## FD30/FD60 WOODEN FIRE DOOR

Specification in accordance

## TECHNICAL SHEET







Fire resistance is one of the most fundamental performance criteria for doorsets, resulting in a complexity of interrelated regulations, standards and guides. A fire door is not just a 'door leaf'; it is a complete door assembly encompassing ancillary products, such as, intumescent strips, smoke seals and fire-tested ironmongery. A full, certified fire door assembly will ensure that the fire door will react accordingly within a fire situation and delay the spread of fire within a building, ensuring that people have enough time to escape the building and find safety. MCMASON offers an array of Primer-painted MDF, laminated and veneered fire doors in a variety of styles, colors and wood grain finishes. Fire doors are available unfinished or fully-finished in 30-minute and 60-minute options. Our fire rated doors and doorsets are compliant with all relevant North America Standards and have been tested in accordance with UL 100. Popular fire-rated hardware options are also available

**STANDARD DETAILS**

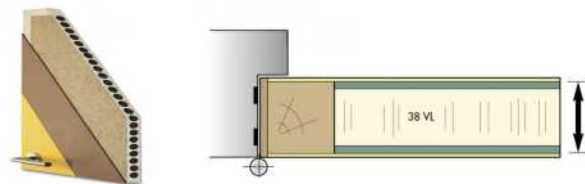
Our wooden fire doors in 30- through 60-minute fire ratings.

	30-minute Wood	60-minute Wood
Category	Category A Category B Neutral Pressure	Category A Category B
Thickness	1-3/4H minimum (44mm)	1-3/4,f minimum (44mm)
Maximum width single	3'0"	3'0"
Maximum height	8'0"	8'0"
Fire glass max. area	3,145 sq. inches	1,248 sq. inches (20 minutes) 1,216 sq. inches (60 minutes)
Standards	ASTM E-152, NFPA 80, NFPA 252, UL10B, UL10C	

Glazing system require metal vision kit.

## Core Specification Details

**Fireshield FD30** - A high density particle board, which requires no timber framing, at a thickness of 44mm. When correctly installed with suitable intumescent strips as a doorset assembly, the door will provide certified fire resistance. Flush face (MDF) or Wood veneer face with softwood stiles and rails and complementing hardwood lipping.



## Fire Rating

FD30 1-3/4K minimum (44mm) 30min to ASTM E-152, NFPA80, NFPA252, UL 10B, UL 10C  
 FD60 1-3/4n minimum (44mm) 30min to ASTM E-152, NFPA 80, NFPA 252, UL 10B, UL 10C

## Moisture Content

10%(+/-2)

## Color Chart

### Primer Painted Color



### Lamination



### Veneer/Full finish Painting



## Primer Finish



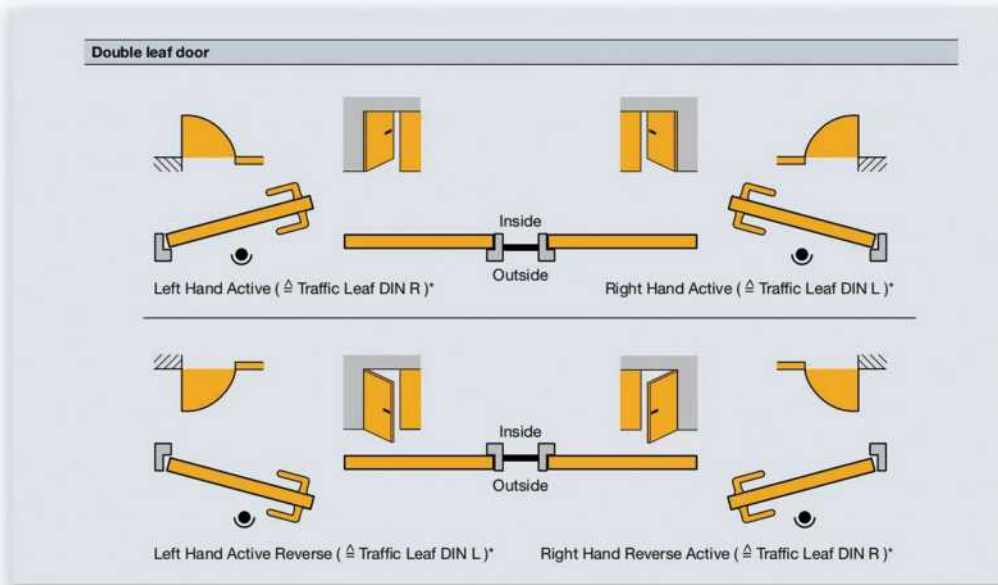
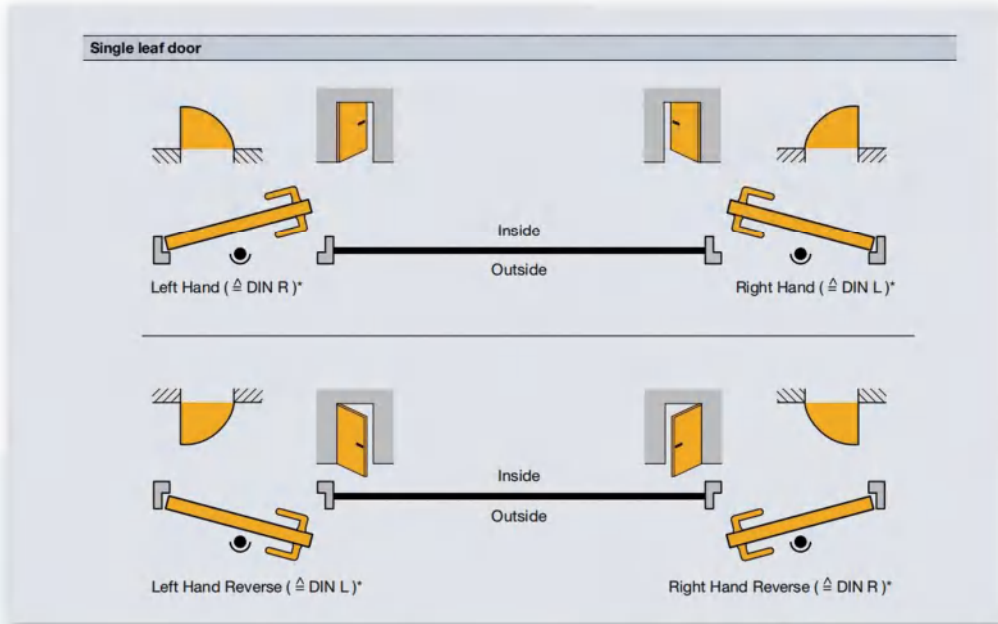
## Lamination



## Veneer



# HANDING OF DOORS



# IRONMONGERY

