

FIRE DOOR LISTING PROGRAM

Customer: Masonite Architectural
 Class: Fire Doors
 Location: London, Ontario
 Website: www.masonitearchitectural.com

Listing No. F424
 Project No. F424-1 Edition 3

Effective Date: April 22, 2016
 Last Revised: July 4, 2017

Standards:	CAN/ULC-S104 UL 10(b) UL 10(c) NFPA 252	<i>Standard Method for Fire Tests of Door Assemblies. Fire Tests of Doors Assemblies. Fire Tests of Doors Assemblies. Standard Methods of Fire Tests of Door Assemblies.</i>
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Product: 20 min Rated Fire Doors

Label: See [FD001 - Fire Door Labeling requirements](#)

Models / Ratings: **20-MINUTE WOOD CORE PANEL DOORS:**

Minimum 1-3/4" Thickness

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Length:		
Single Swing	3'6" (1067 mm)	10'0" (3048 mm)	Flat or Raised	Single Point (Mortised or Cylindrical)
Pairs	7'0" (2134 mm)	8'0" (2438 mm)	Flat or Raised	3 or 4 point (Active: Mortised or Cylindrical) (Inactive: Mortised or Surface Mounted Automatic Flush Bolts)
	7'0" (2134 mm)	10'0" (3048 mm)		

Notes: 7'0" x 10'0" pairs evaluated without hose stream.



Limitations: (Review Machining Report for further detail)

- Hinges
 - Per NFPA 80, Table 2-4.3.1
 - Continuous hinges
 - Pivot hinges
- Automatic Flush Bolts (Listed and Labeled)
- Cylindrical Latches (Listed and Labelled)
 - Maximum bore 2-1/8", Maximum backset 5"
 - Minimum latch bolt throw shall be 1/2" unless otherwise noted
- Mortise Lockset (Listed and Labelled)
 - Maximum cutout 1-1/4" x 5" x 6-3/4"
 - Minimum latch bolt throw shall be 1/2" unless otherwise noted
- Deadlock (Listed and Labelled)
 - Cylindrical with a maximum 2-1/8" diameter bore located a minimum of 5" above latch cutout
- Fire Exit Devices
 - Surface mounted or concealed vertical rod exit devices
- Surface Mounted Door Closer (Listed and Labelled)
 - Installed with through bolts or wood screws
- Light Kit (Listed and Labelled)
 - Proprietary wood bead – max. 2594 sq. in. Fire Lite, Superlite C, or any listed ceramic glazing
 - Proprietary wood bead – max. 1296 sq. in. wire glass
 - PyroEdge (without hose stream) – max. 2596 sq. in. listed fire rated glass
- Protection Plates
 - Plates of brass, bronze, steel, aluminum, polycarbonate or decorative laminate may be installed on one or both sides of the door, max. 12" in height or dimension of bottom rail
- Automatic Door Bottom (Listed and Labelled)
 - Surface mounted allowed

Notes: *Refer to QAI evaluation report F424-1 and the applicable test reports for test assembly configurations used for fire endurance testing.*

Refer to the [QAI FD002 - Fire Door Guidelines for general guidelines of fire door assemblies](#)

Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction (AHJ).

Product is to be installed in accordance with the manufacturer's published installation instructions by qualified installing personnel.

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