

## FIRE DOOR LISTING PROGRAM

Customer: Forte Opening Solutions  
 Class: Fire Doors  
 Location: Marshfield, WI  
 Website: <https://www.forteopenings.com/>

Listing No. F487  
 Project No. F487-1 Edition 2

Effective Date: May 7, 2024  
 Last Revised: November 14, 2024

Standards: CAN/ULC-S104-15 *Standard Method for Fire Tests of Door Assemblies.*  
 UL 10(b) (2020) *Fire Tests of Doors Assemblies.*  
 UL 10(c) (2021) *Positive Pressure Fire Tests of Door Assemblies.*  
 NFPA 252 (2022) *Standard Methods of Fire Tests of Door Assemblies.*

Product: 20-minute Fire-Resistance Rated Category A 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	<b>Single Point</b> (Mortised or Cylindrical)
Pairs	7'0" (2134 mm)	8'0" (2438 mm)	Flat or Raised	<b>3 or 4 point</b> (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 and are not for use in Canada.



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
  - Concealed vertical rod exit devices permitted
- Closers (Listed and Labelled)
  - Surface mounted installed with through bolts or wood screws
  - Concealed closers permitted
- 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 F487-1 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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