

FIRE DOOR LISTING PROGRAM

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

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

Effective Date: May 7, 2024
 Last Revised: November 12, 2024

Standards:	CAN/ULC-S104-15 UL 10(b) (2020) UL 10(c) (2021) NFPA 252 (2022)	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.
------------	--	--

Product: 90-minute Fire-Resistance Rated Frames

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

Models / Ratings: **90-MINUTE COMPOSITE FIRE-RESISTANCE RATED CATEGORY C FRAMES:**

MAXIMUM FRAME SIZES:

Composite Frame Leg

Swing Type:	Maximum Dimensions	
	Width:	Length:
Single Swing	4'0" (1219 mm)	8'0" (2438 mm)
Pairs	8'0" (2438 mm)	8'0" (2438 mm)

Minimum Frame Leg Width:	4-1/2"
Maximum Frame Leg Width:	Equivalent to wall thickness
Minimum Frame Leg Thickness:	3/4"
Minimum Stop Height:	5/8"
Minimum Stop Width:	1-1/4"

LIMITATIONS:

Hinges:

- Butt hinges
- Continuous hinges.
- Pivot hinges.

All hinges and applicable hardware must be fire rated for use in openings at or above the fire rating of the frame system being installed. All hinges must be installed as per NFPA 80. Minimum leg thickness is 2 inches, and maximum pocket dimensions are 1-1/8 inch width x 2-7/16 inch height x 1-21/32 inch depth.

Closers:

- Surface mounted permitted.
- Concealed permitted in neutral pressure (UL 10(b) / CAN/ULC S104) applications only.

Notes: *Refer to QAI evaluation report F487-2 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.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warrantee is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.
