

FIRE DOOR LISTING PROGRAM

Customer: Eggers Industries
 Class: Fire Doors
 Location: Two Rivers, Wisconsin
 Website: www.eggersindustries.com

Listing No. F443-1-2a
 Project No. F443-1 Edition 2

Effective Date: June 9, 2017
 Last Revised Date: May 15, 2018

Standards: UL 10B *Fire Tests of Doors Assemblies.*
 UL 10C *Fire Tests of Doors Assemblies.*
 NFPA 252 *Standard Methods of Fire Tests of Door Assemblies.*

Product: 20 min Rated Positive Pressure Fire Doors

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

Models: **20-MINUTE WOOD CORE FIRE DOORS CATEGORY A (POSITIVE PRESSURE):
 Minimum 1-3/4" Thickness**

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Height:		
Single Swing	4'0" (1219 mm)	9'0" (2743 mm)	Flat or Raised	Single Point (Mortised or Cylindrical) (Concealed or Surface Mounted exit devices)
Single Swing with Transom¹	4'0" (1219 mm)	8'0" (2438 mm)		Single Point (Mortised or Cylindrical) Top Leaf: Dutch door bolt or lock into frame
Single Swing Dutch Door	4'0" (1219 mm)	8'0" (2438 mm)		3 or 4 Point (Active: Mortised or Cylindrical) (Inactive: Mortised [Manual or Automatic] or Surface Mounted Flush Bolts) (Concealed or Surface Mounted exit devices)
Pair	8'0" (2438 mm)	9'0" (2743 mm)		3 or 4 Point (Active: Mortised or Cylindrical) (Inactive: Mortised [Manual or Automatic] or Surface Mounted Flush Bolts) (Concealed or Surface Mounted exit devices)
Pair with Transom²	8'0" (2438 mm)	8'0" (2438 mm)		4 Point (Concealed or Surface Mounted)
Double Egress	8'0" (2438 mm)	8'0" (2438 mm)		

The above Category A Positive Pressure Fire Doors are manufactured with edge sealing gasketing. Doors do not require additional gasketing for positive pressure applications.

Notes: ¹ Maximum 4'0" x 3'0" transom panel
² Maximum 8'0" x 3'0" transom panel

Limitations: (Review Machining Specifications Report for further details and figures)

Latch Sets (Listed and labeled for rated opening)

- Cylindrical Latches
 - Assa Abloy Hospitality AS – Vingcard Hardware
 - "VingCard 810" with 1/2 in. latch bolts.
- Mortised Latch
 - Assa Abloy Hospitality AS – Vingcard Mortise Hardware
 - "VingCard Alu" or "Trio VingAccess Alu", Series 1050, 1060, 1070, 1080, 1090
 - 1000 Series; Models 1001, -02, -04, -07, -12, -14, -15, -57, -85 with 19.05 mm (3/4 in.) latch bolts; may include suffix letters - K, -KVC, -L or -LVC bearing on the face of each lock or latch the letter "F"
 - "3000 DaVinci, Euro DaVinci and Presidio" battery operated units with (3/4 in.) latch bolts
 - "Signature Series, Euro, ANSI and US ANSI" battery operated units with (3/4 in.) latch bolts.
 - "Allure Series, Euro, ANSI and US ANSI" battery operated units with (3/4 in.) latch bolts.
 - "Essence Series, Euro, ANSI (DB) and US ANSI (DA)" battery operated units with (3/4 in.) latch bolts.

Deadbolts (Listed and labeled for rated opening)

- Located a minimum of 2-1/4" center-line to center-line from the lock cutout

Hinges (Listed and labeled for rated opening)

- Hinges as per NFPA 80, Table 6.4.3.1
- Invisible Soss or Tectus hinges

Fire Exit Devices (Listed and labeled for rated opening)

- Surface Mounted Vertical Rod Fire Touch Bar Exit Device, may be less bottom rod.
- Concealed Vertical Rod Fire Touch Bar Exit Device [See Figure 3], may be less bottom rod.
- Rim Type Fire Exit Devices.

Door Closers (Listed and labeled for rated opening)

- Surface Mounted Door Closers
- Concealed Door Closers [See Figures 6 and 7]
 - With fire shield: Maximum cutout 24-3/4" x 1-7/16" x 3-1/2" installed with 25 gauge steel fire shield and Pemko HSS2000 lined on ends of cutout. See Figures 8 and 9 for fire shield details.
 - With SW2: Maximum cutout 19" x 1-3/8" x 3-1/4".
 - Floor closers with maximum cutout dimension 23-3/4" long X 1-3/8" wide X 1-1/2" deep.

Surface Mounted Protection Plates

- Steel, brass, bronze, aluminum, PVC, or plastic laminate max 48" high.



Louvers (Listed and labeled for rated opening)

- Fusible link louver permitted.

Metal Edges

- Flush or raised on stile. May be mortised into the door face.

Astragals (Listed and labeled for rated opening)

- Optional if 'Category A' intumescent edge is used.
- May use flat overlapping wood or metal astragals such as Pemko 357.

Viewers (Listed and labeled for rated opening)

- Maximum size of 1" diameter.
- Viewers located a minimum 12" away from edges of doors and other hardware.
- Must be located in mullion, cross rail or minimum 5/8" thick panel.

Glass Lights (Listed and labeled for rated opening)

- Glazing material shall be listed and labeled for rated opening, light kit and door type
- Glazing installed in accordance with NFPA 80, and the listed light kit frame installation instructions.
- See Figures 1 and 2 for construction details.
- Maximum 3215 sq. in. area with (Max Dimension of 89") for divided lites.
 - Minimum 3/4" wood bars between glass lites.
 - Minimum 7/16" x 5/8" wood glazing bead.
- Maximum 2867 sq. in. area with (Max Dimension of 87").
 - Minimum 7/16" x 5/8" wood glazing bead.
 - Minimum 1-1/2" between lite and hardware cutout.

Door Bottoms Seals (Listed and labeled for rated opening)

- Surface mounted and mortised automatic door bottom.

Electric Raceway

- Maximum 3/8" diameter. Raceway may be machined along edge of rail, around lite or panel opening or drilled through cross rail.

Electric Strikes, Magnetic Switches and Electrical Power Transfers (EPT) (Listed and Labeled for rated opening).

Door Flush Bolts (Listed and labeled for rated opening)

- Surface mounted and mortise manual flush bolts
- Surface mounted and mortise automatic flush bolts.
- May be top bolt only.

Dutch Door

- Requires intumescent or wood / metal astragal at meeting edge, and bottom of top door leaf.
- Top Leaf hardware: Dutch door bolt or lock into frame.

Notes: *Refer to QAI evaluation report F443-1 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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