

## FIRE DOOR LISTING PROGRAM

Customer: Eggers Industries  
 Class: Fire Doors  
 Location: Two Rivers, Wisconsin  
 Website: [www.eggersindustries.com](http://www.eggersindustries.com)

Listing No. F443-1-2-20  
 Project No. F443-1 Edition 3

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

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

Product: 20 minute Neutral Pressure rated Fire Doors without hose stream

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

Models: **20 MINUTE WOOD CORE FIRE DOORS CATEGORY B (NEUTRAL PRESSURE):**

### Minimum 1-3/4" Thickness

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Height:		
<b>Single Swing</b>	4'0" (1219 mm)	10'0" (3048 mm)	Flat or Raised	<b>Single Point</b> (Mortised or Cylindrical) (Concealed or Surface Mounted exit devices)
<b>Single Swing with Transom<sup>1</sup></b>	4'0" (1219 mm)	8'0" (2438 mm)		
<b>Single Swing Dutch Door</b>	4'0" (1219 mm)	8'0" (2438 mm)	Flat or Raised	<b>Single Point</b> (Mortised or Cylindrical) Top Leaf: Dutch door bolt or lock into frame
<b>Pair</b>	8'0" (2438 mm)	10'0" (3048 mm)	Flat or Raised	<b>3 or 4 Point</b> (Active: Mortised or Cylindrical) (Inactive: Mortised [Manual or Automatic] or Surface Mounted Bolts) (Concealed or Surface Mounted exit devices)
<b>Double Egress</b>	NOT PERMITTED			

<sup>1</sup> Maximum 4'0" x 3'0" transom panel, maximum 4'0" x 11'0" single door frame opening.

- The above Category B Neutral Pressure Fire Doors are required to be installed with Category G gasket when used in positive pressure applications. Category G gasket is to be approved and listed for use with wood door types.

**Additions / Limitations:**  
**(Review Machining Specifications Report for details)**

**Latch Sets** (Listed and labeled for rated opening and door type)

- 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 and door type)

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

**Hinges** (Listed and labeled for rated opening and door type)

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

**Fire Exit Devices** (Listed and labeled for rated opening and door type)

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

**Door Closers** (Listed and labeled for rated opening and door type)

- Surface Mounted Door Closers.
- Concealed Door Closers
  - 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.
  - 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 and door type)

- 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 and door type)

- 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 and door type)

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

**Glass Lites** (Listed and labeled for rated opening and door type)

- Glazing material shall be listed and labeled for rated opening, lite kit and door type.
- Glazing installed in accordance with NFPA 80, and the listed lite kit frame installation instructions.
- Minimum 1-1/2" between lite and hardware cutout.
- Minimum 7/16" x 5/8" wood glazing bead.
- Divided lites: maximum 3215 sq. in. area with maximum dimension of 89".
  - Minimum 3/4" wood bars between glass lites.
- Single lites: maximum 2867 sq. in. area with maximum dimension of 87".

**Door Bottoms Seals** (Listed and labeled for rated opening and door type)

- 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 and door type)

**Surface Mounted and Flush Bolts**

(Listed and labeled for rated opening and door type)

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

**Dutch Door / Transom**

- 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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