

## FIRE DOOR LISTING PROGRAM

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

Listing No. F443-1-2b  
 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.*  
 NFPA 252 *Standard Methods of Fire Tests of Door Assemblies.*

Product: 20 min Rated Neutral Pressure Fire Doors

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"<br>(1219 mm)  | 10'0"<br>(3048 mm) | Flat or Raised | <b>Single Point</b><br>(Mortised or Cylindrical)<br>(Concealed or Surface Mounted exit devices)  |
| <b>Single Swing with Transom<sup>1</sup></b> | 4'0"<br>(1219 mm)  | 8'0"<br>(2438 mm)  |                |  |
| <b>Single Swing Dutch Door</b>               | 4'0"<br>(1219 mm)  | 8'0"<br>(2438 mm)  |                | <b>Single Point</b><br>(Mortised or Cylindrical)<br>Top Leaf: Dutch door bolt or lock into frame   |
| <b>Pair</b>                                  | 8'0"<br>(2438 mm)  | 10'0"<br>(3048 mm) |                | <b>3 or 4 Point</b><br>(Active: Mortised or Cylindrical)<br>(Inactive: Mortised [Manual or Automatic] or Surface Mounted Flush Bolts)<br>(Concealed or Surface Mounted exit devices) |

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

Notes: <sup>1</sup> Maximum 4'0" x 3'0" transom panel

Limitations: (Review Machining Specifications Report for further detail)

**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, crossrail 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, or 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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