**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

<table>
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<th>Swing Type</th>
<th>Maximum Dimensions</th>
<th>Panel Type</th>
<th>Latching:</th>
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</table>
| Single Swing                | 4'0” (1219 mm)     | Flat or Raised | Single Point  
|                             | 10’0” (3048 mm)    |             | (Mortised or Cylindrical)  
|                             |                    |             | (Concealed or Surface Mounted exit devices) |
| Single Swing with Transom¹  | 4'0” (1219 mm)     | Flat or Raised | Single Point  
|                             | 8’0” (2438 mm)     |             | (Mortised or Cylindrical)  
|                             |                    |             | Top Leaf: Dutch door bolt or lock into frame |
| Single Swing Dutch Door     | 4'0” (1219 mm)     | Flat or Raised | 3 or 4 Point  
|                             | 8’0” (2438 mm)     |             | (Active: Mortised or Cylindrical)  
|                             |                    |             | (Inactive: Mortised [Manual or Automatic] or Surface Mounted Bolts)  
|                             |                    |             | (Concealed or Surface Mounted exit devices) |
| Pair                        | 8’0” (2438 mm)     | Flat or Raised | NOT PERMITTED |
| Double Egress               |                    |             | NOT PERMITTED |

¹ 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](https://www.qai.org/).  
- 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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