FIRE DOORS LISTING PROGRAM

Customer: Visser Manufacturing Ltd.
Class: Fire Doors
Location: Ottawa, ON
Website: vissermfg.ca

Listing No. F449-1
Project No. F449-1 Edition 1

Effective Date: January 1, 2018
Last Revised Date: January 1, 2018

Standards:
UL 10(b) Fire Tests of Doors Assemblies.
UL 10(c) Fire Tests of Doors Assemblies.
NFPA 252 Standard Methods of Fire Tests of Door Assemblies.

Product: 20 min Rated ‘Category B’ Positive Pressure Fire Doors

Labels: See FD001 - Fire Door Labeling requirements

Models: 20-MINUTE PARTICLEBOARD CORE PROFILED DOORS:

Minimum 1-11/16” Thickness

<table>
<thead>
<tr>
<th>Swing Type</th>
<th>Maximum Dimensions</th>
<th>Panel Type</th>
<th>Latching</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Width:</td>
<td>Length:</td>
<td></td>
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<tr>
<td>Single Swing</td>
<td>3’6” (1067 mm)</td>
<td>7’0” (2134 mm)</td>
<td>Profiled Flush</td>
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<tr>
<td></td>
<td>3’0” (914 mm)</td>
<td>8’0” (2438 mm)</td>
<td>Profiled Flush</td>
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<tr>
<td>Pairs</td>
<td>7’0” (2134 mm)</td>
<td>7’0” (2134 mm)</td>
<td>Profiled Flush</td>
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<tr>
<td></td>
<td>6’0” (1829 mm)</td>
<td>8’0” (2438 mm)</td>
<td>Profiled Flush</td>
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Notes:
Paired and double egress assemblies evaluated without hose stream.
Limitations: (Review Machining Report for further detail)

- Cylindrical Latches (Listed and labeled)
- Mortise Lockset (Listed and labeled)
- Deadlock (Listed and labeled)
- Fire Exit Devices (Listed and labeled)
  - Surface mounted and concealed vertical rod, RIM surface mounted exit devices
- Surface mounted and concealed overhead door closer (Listed and labeled)
- Floor door closer (Listed and labeled)
- Manual and automatic flush bolts (Listed and labeled)
- Viewers (Listed and labeled)
  - Two viewers up to 1” diameter each. Located a minimum of 5-1/2” apart or from edge.
- Protection Plates
  - Brass, bronze, steel, aluminum, PVC or decorative laminate protection plates.
    Maximum 1/8” thickness up to 16” height.

Notes: Refer to QAI evaluation report F449-1 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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