Fire-Rated Narrow Profile Steel Doors & Frames
Fire Rating: 20/45/60/90 Minutes

Fireframes® Designer Series doors and frames incorporate precise engineering to provide a sleek, modern alternative to traditional steel hollow metal frames with glass sizes surpassing traditional systems.

FEATURES

• Fire ratings of 20-90 minutes (45-90 minutes with required hose stream test)
• Easy installation similar to typical storefront systems
• Narrow steel profiles
• Full-lite doors available in single leaf or double leaf design
• Durable welded steel construction of doors
• Modular system that can incorporate 20/45/60/90 minute Fireframes Designer Series doors
• Can be used with wired glass, Fireglass®, or the FireLite® family of products
• Available as a temperature rise door for 60-90 minute applications
• Frames supplied welded or "K-D" (knock-down) ready for installation
• Door hardware available to fit functional requirements. Please check with TGP for compatibility
• Finish powder coating at the factory to match desired color scheme
• Arched profiles
• Brushed stainless steel finish available for fire ratings up to 45 minutes

Notes:
This product is not intended for use in locations requiring a barrier to radiant heat, as it does not meet test standards ASTM E119 or UL 263. If your jurisdiction requires “barrier to heat” framing, please contact Technical Glass Products regarding Fireframes products that meet the barrier to heat requirement.

LISTINGS/STANDARDS
Classified and labeled by Underwriters Laboratories Inc.® and Underwriters Laboratories of Canada. File numbers R25229 (windows) and R19207 (doors). Tests performed in accordance with:

UL 9          NFPA 80          CAN4 S-104
UL 10B        NFPA 252        CAN4 S-106
UL 10C        NFPA 257


FRAMING

<table>
<thead>
<tr>
<th>RATING</th>
<th>MAX. EXPOSED GLASS AREA PER PIECE</th>
<th>MAX. EXPOSED GLASS DIMENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 min.</td>
<td>6,272 in² (4.05 m²)</td>
<td>106–1/2&quot; (2.71 m)</td>
</tr>
<tr>
<td>45 min.</td>
<td>4,500 in² (2.90 m²)</td>
<td>95–1/4&quot; (2.42 m)</td>
</tr>
<tr>
<td>60 min.</td>
<td>5,616 in² (3.62 m²)</td>
<td>96&quot; (2.44 m)</td>
</tr>
<tr>
<td>90 min.</td>
<td>2,627 in² (1.69 m²)</td>
<td>56–1/2&quot; (1.44 m)</td>
</tr>
</tbody>
</table>

Note: Individual lite sizes cannot exceed “Max. Exposed Area” shown above.

DOORS

<table>
<thead>
<tr>
<th>RATING</th>
<th>MAX. SINGLE DOOR LEAF SIZE</th>
<th>MAX. EXPOSED GLASS SIZE PER PIECE</th>
</tr>
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<tbody>
<tr>
<td>20 min.</td>
<td>42&quot; x 96&quot; (1.07 m x 2.43 m)</td>
<td>36&quot; x 89&quot; (.91 m x 2.26 m)</td>
</tr>
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<td>45 min.</td>
<td>42&quot; x 96&quot; (1.07 m x 2.43 m)</td>
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<td>90 min.</td>
<td>43&quot; x 95–7/8&quot; (1.09 m x 2.44 m)</td>
<td>36&quot; x 56–1/2&quot; (divided lite door) (.91 m x 1.44 m)</td>
</tr>
</tbody>
</table>
TEMPERATURE RISE DOORS WITH FIREGLASS®

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<tbody>
<tr>
<td>60 min.</td>
<td>42&quot; x 96&quot; (1.07 m x 2.43 m)</td>
<td>35-7/8&quot; x 88-3/4&quot; (.91 m x 2.25 m)</td>
</tr>
<tr>
<td>90 min.</td>
<td>43&quot; x 95-7/8&quot; (1.09 m x 2.44 m)</td>
<td>35-7/8&quot; x 88-3/4&quot; (.91 m x 2.25 m)</td>
</tr>
</tbody>
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Note: Individual lite sizes cannot exceed "Max. Exposed Glass Area" shown above.

DOOR DETAILS

All door hardware for Fireframes Designer Series doors is supplied by Technical Glass Products. Please contact TGP regarding your individual hardware requirements.

Standard hardware may include:
- Hinges
- Surface mounted or concealed closers
- Single mortise lock
- Panic hardware
- Tall bottom rails

WINDOW DETAILS