Fireframes® Curtainwall Series incorporates precise European engineering allowing for large, multi-story expanses of glass in interior and exterior applications using narrow steel profiles.

**FEATURES**
- Fire ratings of 45, 60 and 120 minutes with required hose stream test
- Unrestricted glazing area for use in locations where total glazing exceeds 25% of wall area (60 and 120 minutes)
- Compatible with full-lite doors from TGP in single leaf or double leaf design (see Fireframes Designer Series or Fireframes Heat Barrier Series)
- Narrow steel and stainless steel profiles
- Air and water pressure tested and approved for exterior use
- Easy installation similar to typical pressure plate curtain wall
- Frames supplied “K-D” (knock down) ready for installation or welded depending on application
- Incorporates large individual panes of Pilkington Pyrostop® fire-resistive-rated glass, composed of Pilkington Optiwhite™ glass and clear intumescent interlayers
- Durable steel and stainless steel frames ensure low maintenance system
- Finished face caps (aluminum, stainless steel, etc.) to meet project needs
- Custom aluminum face caps to meet project needs
- Finish painted at the factory to match desired color scheme
- Select profiles are available in 304 stainless steel up to 60 minutes (#4 brush finish)

**LISTINGS/STANDARDS**
Classified and labeled by Underwriters Laboratories Inc. and Underwriters Laboratories of Canada. File numbers R25274 (walls) and R25229 (windows), design number U537 (W473 Canada). Frame tests performed in accordance with:

<table>
<thead>
<tr>
<th>UL 9</th>
<th>NFPA 251</th>
<th>CAN/ULC-S101</th>
<th>ASTM E119</th>
<th>LARR 25798</th>
<th>AAMA 501.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL 263</td>
<td>NFPA 257</td>
<td>CAN 4 S-106</td>
<td>ASTM E283</td>
<td>ASTM E330</td>
<td>ASTM E331</td>
</tr>
</tbody>
</table>

**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>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>7,442 in² (4.80 m²)</td>
<td>118-1/8&quot; (3.00 m)</td>
</tr>
<tr>
<td>120 min.**</td>
<td>3,730 in² (2.41 m²)</td>
<td>111&quot; (2.81 m)</td>
</tr>
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</table>

* 45 minute window systems are classified as an Opening Protective as per UL 9 with a maximum overall frame size of 152 square feet.

** 60 and 120-minute tests conducted per UL 263 / ASTM E-119. Therefore assembly is classified as a wall assembly, and not subject to “opening” area limitations.

**Note:** Individual lite sizes cannot exceed “Max. Exposed Area” shown above.
45 MM MULLION PROFILE OPTIONS

AVAILABLE IN 304 STAINLESS STEEL WITH #4 BRUSH FINISH

FACE OF HORIZONTAL COVER CAP

REF: GLASS DIMENSION

STAINLESS STEEL COVER CAPS

ALUMINUM COVER CAPS
**60 MM MULLION PROFILE OPTIONS**

- AVAILABLE IN 304 STAINLESS STEEL WITH #4 BRUSH FINISH

- FACE OF HORIZONTAL COVER CAP

- REF: GLASS DIMENSION

**STAINLESS STEEL COVER CAPS**

- 23/8" (61.0 mm)

- 1 16" (1.5 mm)

**ALUMINUM COVER CAPS**

- 2 3/8" (60.0 mm)

- 1/16" (1.5 mm)