Fireglass® 20 is a 1/4” (6 mm) thick fire-rated and impact safety-rated glazing material. It is listed for use in doors with a fire rating requirement of 20 minutes.

**FEATURES**

- Fire-rated for up to 20 minutes
- Impact safety-rated—meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- Tempered (at least 4 times stronger than wired glass)
- Clear and wireless
- Fits in Fireframes® Designer Series from TGP, or standard fire-rated frames
- Large sizes available

**Notes:** This product is not a barrier to radiant heat, as it does not meet test standards ASTM E119 or UL 263. If your jurisdiction requires a “barrier to heat” product, please contact TGP regarding Pilkington Pyrostop®.

**LISTINGS/STANDARDS**

Classified and labeled by Underwriters Laboratories, Inc.® File number for labeled 20 minute fire-rated assemblies is R13377. Tests performed in accordance with:

- UL 9
- NFPA 80
- LARR 25798
- UL 10B
- NFPA 252
- UL 10C

**MAXIMUM EXPOSED AREA**

<table>
<thead>
<tr>
<th>RATING</th>
<th>ASSEMBLY</th>
<th>MAX. EXPOSED AREA</th>
<th>MAX. WIDTH OF EXPOSED GLAZING</th>
<th>MAX. HEIGHT OF EXPOSED GLAZING</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 min. (WITHOUT hose stream test)</td>
<td>DOORS</td>
<td>3,204 in² / 22.25 ft² (2.07 m²)</td>
<td>36” (914 mm)</td>
<td>89” (2,261 mm)</td>
</tr>
</tbody>
</table>

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

Check with frame manufacturer for maximum tested glass sizes and required stop height.
**GENERAL CHARACTERISTICS**

**THICKNESS:** 1/4" (6 mm)

**MIN. GLASS SIZE:** 4-1/2" (must meet a 12" diagonal)

**WEIGHT:** 3 lb / ft²

**APPROX. VISIBLE TRANSMISSION:** 89%

**APPROX. VISIBLE REFLECTION:** 8%

**FIRE RATING:** 20 minutes (WITHOUT HOSE STREAM TEST)

**IMPACT SAFETY RATING:** ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)

**LABELING**

Each piece of Fireglass20 shall be permanently labeled with the appropriate marking on sizes up to 6,396 in².

**INSTALLATION**

Fireglass20 shall be glazed into the appropriate fire-rated framing with setting blocks and closed cell PVC tape.

Openings must be plumb and square. **Allow for a minimum edge clearance of 1/4" and a minimum edge coverage of 3/8".** Inspect each piece of Fireglass20 immediately before installation and eliminate any glass with observable edge damage or face imperfections. Place setting blocks (3" minimum) at the quarter points. Check for clearance around the edges, and adjust setting blocks as needed.

**STORAGE & HANDLING**

Fireglass20 must be handled with care during transportation, storage, inspection and installation. Store in a dry place.

**FAMILY OF PRODUCTS**

TGP offers a complete family of products for all your fire-rated glazing needs, ranging from 20 minute to 3 hour applications.

**Fireglass®20**
- Fire-rated, impact safety-rated glass

**FireLite®**
- Fire-rated glass ceramic

**FireLite® NT**
- Fire-rated, impact safety-rated glass ceramic with surface-applied film

**FireLite Plus®**
- Fire-rated, impact safety-rated glass ceramic

**FireLite® IGU**
- Fire-rated or fire/impact safety-rated insulated glass units

**Pilkington Pyrostop®**
- Fire-rated, impact safety-rated transparent wall panels

**WireLite®**
- Fire-rated, wired glass

**WireLite® NT**
- Fire-rated, impact safety-rated wired glass with surface-applied film

**Fireframes®**
- Fire-rated framing & doors for use with all TGP glass products