



## FIRE-RATED, SAFETY-RATED GLASS CERAMIC

FireLite Plus<sup>®</sup> is a nominal 5/16" (8 mm) thick laminated fire-rated polished and impact safety-rated glazing material. It is listed for use in doors, sidelites, transoms and borrowed lites with fire rating requirements ranging from 20 minutes to 3 hours. Trusted for over 20 years, the FireLite family of products now feature ultraHD<sup>®</sup> Technology for superior color and surface quality.



## FEATURES

- Now with ultraHD<sup>®</sup> Technology for improved surface quality, clarity and color
- As a Premium Grade product, both surfaces are ground and polished to provide superior surface quality
- Fire-rated for up to 3 hours with required hose stream test
- Impact safety-rated—meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)
- Glass ceramic
- Clear and wireless
- Fits in Fireframes<sup>®</sup> Designer Series from TGP, or standard fire-rated frames
- Withstands thermal shock
- Protects from fire and impact on both sides of the glass
- Large sizes available
- May be lightly sandblasted/etched on one side without affecting fire rating
- Passes positive pressure test standards UL 10C
- 5-year limited warranty

**Note:** This product is not a barrier to radiant heat, as it does not meet test standards ASTM E-119 or UL 263. If your jurisdiction requires a "barrier to heat" product, please contact Technical Glass Products regarding Pilkington Pyrostop<sup>®</sup>.

## LISTINGS

Classified and labeled by Underwriters Laboratories, Inc.<sup>®</sup> and Underwriters Laboratories of Canada. File number for labeled fire-rated assemblies is R13377. All above tests performed in accordance with UL 9, UL 10B, UL 10C, CSFM 43.7, NFPA 80, NFPA 252, NFPA 257, CAN4 S-104, CAN4 S-106. Approved for use in New York City: MEA 290-90-M-6. Approved for use in Los Angeles: LARR 25798.

## GENERAL CHARACTERISTICS

<b>THICKNESS:</b>	Nominal 5/16" (8 mm) overall
<b>WEIGHT:</b>	4 lb / ft <sup>2</sup> (19.53 kg / m <sup>2</sup> )
<b>APPROX. VISIBLE TRANSMISSION:</b>	85%
<b>APPROX. VISIBLE REFLECTION:</b>	9%
<b>HARDNESS (VICKER'S SCALE):</b>	700
<b>FIRE RATING:</b>	20 minutes to 3 hours
<b>IMPACT SAFETY RATING:</b>	Meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)
<b>STC RATING:</b>	38 dB

RATING	ASSEMBLY	MAX. EXPOSED AREA	MAX. WIDTH OF EXPOSED GLAZING	OR	MAX. HEIGHT OF EXPOSED GLAZING
20 to 60 min.	DOORS (non-temp rise)	3,204 in <sup>2</sup> / 22.25 ft <sup>2</sup> (2.07 m <sup>2</sup> )	36" (914 mm)		89" (2,260 mm)
	DOORS (temp rise)	100 in <sup>2</sup> / 0.69 ft <sup>2</sup> (.06 m <sup>2</sup> )	12" (304 mm)		33" (838 mm)
	OTHER THAN DOORS	3,325 in <sup>2</sup> / 23.09 ft <sup>2</sup> (2.15 m <sup>2</sup> )	95" (2,413 mm)		95" (2,413 mm)
90 min.	DOORS (non-temp rise)	2,034 in <sup>2</sup> / 14.13 ft <sup>2</sup> (1.31 m <sup>2</sup> )	36" (914 mm)		56-1/2" (1,435 mm)
	DOORS (temp rise)	100 in <sup>2</sup> / 0.69 ft <sup>2</sup> (.06 m <sup>2</sup> )	12" (304 mm)		33" (838 mm)
	OTHER THAN DOORS	2,627 in <sup>2</sup> / 18.24 ft <sup>2</sup> (1.69 m <sup>2</sup> )	56-1/2" (1,435 mm)		56-1/2" (1,435 mm)
3 hour	DOORS	100 in <sup>2</sup> / 0.69 ft <sup>2</sup> (.06 m <sup>2</sup> )	12" (304 mm)		33" (838 mm)

Check with frame manufacturer for maximum tested glass sizes and required stop height.  
**Note:** Individual lite sizes cannot exceed "Max. Exposed Area" shown above.

<b>SURFACE FINISH</b>	Premium	Standard
<b>MAX. SHEET SIZE</b>	48" x 96" (1.21 m x 2.43 m)	48" x 96" (1.21 m x 2.43 m)

### SPECIFICATIONS

All glass designated on the drawings as fire-rated and impact safety-rated shall be nominal 5/16" (8 mm) thick supplied by Technical Glass Products. The surface condition shall be either **Premium Grade** or **Standard Grade**.

Complete 3-part CSI format specifications are available online at [fireglass.com](http://fireglass.com), or by calling **800.426.0279**.

### LABELING

Each piece of FireLite Plus shall be permanently labeled with the FireLite Plus logo, UL logo and fire rating.

### INSTALLATION

FireLite Plus shall be glazed into the appropriate fire-rated framing with an approved glazing compound (pure silicone, closed cell PVC tape or DAP 33 putty) as supplied by the installer. For 90 minute ratings that exceed 1,393 in<sup>2</sup> (.8987 m<sup>2</sup>), FireLite Plus shall be glazed with fire-rated glazing tape as supplied by TGP.

Inspect each piece of FireLite Plus immediately before installation and eliminate any with observable edge damage or face imperfections. As with any glass produced by the "roll out" method, individual pieces of FireLite Plus may contain minimal variations in thickness. Occasionally, process marks and small occlusions or seeds (bubbles, knots or crystals) may be apparent. However, since they do not generally impair the transparency or affect the technical performance of the glass, they do not represent cause for rejection.

### STORAGE & HANDLING

FireLite Plus 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. More information is available online at [fireglass.com](http://fireglass.com), or by calling **800.426.0279**.

