



FIRE-RATED GLASS CERAMIC

FireLite® is a 3/16" (5 mm) thick fire-rated glazing material. It is listed for use in **non-impact safety-rated locations** such as transoms and borrowed lites with fire rating requirements ranging from 20 to 90 minutes. Trusted for over 20 years, the FireLite family of products now feature ultraHD™ Technology for superior color and surface quality.


ultraHD[™]
 TECHNOLOGY

FEATURES

- Now with ultraHD™ Technology for improved surface quality, clarity and color
- FireLite Standard Grade is comparable to alternative fire-rated ceramics that are marketed as having a “Premium” finish
- Fire-rated for up to 90 minutes **with required hose stream test**
- Glass ceramic
- Clear and wireless
- Fits in Designer Series Fireframes® from TGP, or standard fire-rated frames
- Large sizes available
- May be lightly sandblasted or etched on one side without affecting fire rating
- Passes positive pressure test standards UL 10C, UBC 7-2 and UBC 7-4
- May be insulated (see FireLite IGU fact sheet)

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®.

LISTINGS

Listed and labeled by Underwriters Laboratories, Inc.® and Underwriters Laboratories of Canada. File number for labeled fire-rated assemblies is R13377. All above tests performed in accordance with UL 9, UL 10C, ASTM E2010, CSFM 43.7, NFPA 80, NFPA 257, UBC 43.2, UBC 43.4, UBC 7-2, UBC 7-4, CAN4 S-104. Approved for use in New York City: MEA 290-90-M-6. Approved for use in Los Angeles: LARR 25798.

RATING	ASSEMBLY	MAX. EXPOSED AREA (in ² / ft ²)	MAX. WIDTH OF EXPOSED GLAZING (in)	OR	MAX. HEIGHT OF EXPOSED GLAZING (in)
20 to 60 min.	OTHER THAN DOORS	3,325 / 23.09	95		95
90 min.	OTHER THAN DOORS	2,627 / 18.24	56–1/2		56–1/2

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

SURFACE FINISH	Premium	Standard	Obscure
MAX. SHEET SIZE	48" x 96"	48" x 96"	36" x 96"

Note: FireLite is not an impact safety-rated product and should not be specified as such. However, TGP does offer FireLite Plus® and FireLite® NT which carry both fire and impact safety ratings. Please ask for more details.

SPECIFICATIONS

All glass designated on the drawings as fire-rated shall be 3/16" (5 mm) thick FireLite® supplied by Technical Glass Products. The surface condition shall be either: **Premium Grade**; **Standard Grade**; or **Obscure** (patterned surface).

Complete 3-part CSI format specifications are available online at fireglass.com, or by calling **800.426.0279**.

GENERAL CHARACTERISTICS

THICKNESS:	3/16" (5 mm) overall
WEIGHT:	2.4 lb / ft²
APPROX. VISIBLE TRANSMISSION:	88%
APPROX. VISIBLE REFLECTION:	9%
HARDNESS (VICKER'S SCALE):	700
FIRE RATING:	20 minutes to 90 minutes
IMPACT SAFETY RATING:	None
STC RATING:	35 dB

LABELING

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

INSTALLATION

FireLite 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 in², FireLite shall be glazed with fire-rated glazing tape as supplied by TGP.

Inspect each piece of FireLite 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 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 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 toughened glass
FireLite®	Fire-rated glass ceramic
FireLite® NT	Fire-rated, impact safety-rated glass ceramic with surface-applied film
FireLite Plus®	Fire-rated, laminated, impact safety-rated glass ceramic
FireLite® IGU	Fire-rated or fire/impact safety-rated insulated glass units
Pilkington Pyrodur®	Fire-rated, impact safety-rated glass
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

