

FIRE-RATED, SAFETY-RATED GLASS CERAMIC

FireLite Plus[®] Forced Entry is a laminated, fire-rated, 3/8" (10 mm) glass. Tested in accordance with H.P. White 5-aa1 and ASTM E2395.

 **FIRE RATING**
20 - 180 MINUTES

 **ultraHD[®]**
TECHNOLOGY

FEATURES

- ultraHD[®] Technology for improved surface quality, clarity and color
- Fire-rated for up to 180 minutes in the same large sizes as FireLite Plus
- Clear and wireless glass ceramic
- Impact safety-rated-meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- May be lightly sandblasted or etched by others on one side without affecting fire rating
- Protects from fire and impact on both sides of the glass
- 5-year limited warranty
- Tested and certified to ASTM E2395 when used as an IGU in TGProtect[™] FR System
- Can be used in doors by others
- Withstands thermal shock



BIM 3D Model



Fire-Rated



Hose Stream Tested



Positive Pressure Tested



Impacted Rated



UL Classified & Labeled



NORTH AMERICA'S
MOST SPECIFIED
FIRE-RATED GLASS COMPANY

NOTE: 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 TG regarding Pilkington Pyrostop[®]

SURFACE GRADES

Standard Grade -

Polished for a surface quality that is comparable to alternative fire-rated ceramics marketed as having a premium finish.

LISTINGS/STANDARDS

Classified and labeled by Underwriters Laboratories, Inc.[®] and Underwriters Laboratories of Canada. File number for Fire-protection-rated glazing material is R21586. Tests performed in accordance with:

UL 9

NFPA 80

CAN/ULC-S104

MEA 290-90-M-6

UL 10B

NFPA 252

CAN/ULC-S106

LARR 25798

MAXIMUM EXPOSED AREA

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

MAXIMUM SHEET SIZE

SURFACE FINISH

48" x 96"
(1.21 m x 2.43 m)

GENERAL CHARACTERISTICS

THICKNESS: Nominal 3/8" (10 mm) overall

WEIGHT: 4 lb / ft² (19.53 kg / m²)

APPROX. VISIBLE TRANSMISSION: 85%

APPROX. VISIBLE REFLECTION: 9%

HARDNESS (VICKER'S SCALE): 700

FIRE RATING: 20 minutes to 3 hours

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

STC RATING: 38

LABELING

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

STORAGE & HANDLING

FireLite Plus Forced Entry must be handled with care during transportation, storage, inspection and installation. Store in a dry place.