

## FireLite<sup>NT</sup>

### Fire-Rated, Impact Safety-Rated Glass Ceramic With Surface-Applied Film Fire-Rating: 20-180 Minutes

FireLite NT is a 3/16" (5 mm) thick fire-rated and impact safety-rated glazing material, composed of FireLite and fire-rated surface-applied film. It is listed for use in doors, sidelites, transoms, and borrowed lites. 3-year limited warranty.


## FireLite<sup>PLUS</sup>






### Fire-Rated, Safety-Rated Glass Ceramic Fire-Rating: 20-180 Minutes


FireLite Plus is a 5/16" (8 mm) thick laminated fire-rated and impact safety-rated glazing material. It is listed for use in doors, sidelites, transoms, and borrowed lites. 5-year limited warranty.

## FEATURES

- ultraHD™ Technology for improved surface quality, clarity, and color
- Fire-rated for up to 180 minutes with required hose stream test
- Available in two surface grades: Premium and Standard
- Wireless glass ceramic with high performance surface-applied film
- Impact safety-rated—meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- Fits in Fireframes® Designer Series from TGP, or standard fire-rated frames
- Withstands thermal shock
- Large sizes available
- May be lightly sandblasted or etched on one side without affecting fire rating
- Protects from fire and impact on both sides of the glass
- May be insulated

 BIM 3D Model Available

-  Fire-Rated
-  Hose Stream Tested
-  Positive Pressure Tested
-  Impacted Rated
-  UL Classified & Labeled



## LISTINGS / STANDARDS

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

UL 9	NFPA 80	CAN4 S-104	MEA 290-90-M-6
UL 10B	NFPA 252	CAN4 S-106	LARR 25798
UL 10C	NFPA 257		

## MAXIMUM EXPOSED AREA

RATING	ASSEMBLY	MAX. EXPOSED AREA	MAX. WIDTH OF EXPOSED GLAZING	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)
180 min.	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.** FireLite NT and FireLite Plus are not barriers to radiant heat, as they do not meet test standards ASTM E119 or UL 263.

## MAXIMUM SHEET SIZE

SURFACE FINISH	Premium	Standard
	48" x 96" (1.21 m x 2.43 m)	48" x 96" (1.21 m x 2.43 m)

## GENERAL CHARACTERISTICS

Characteristic	Firelite NT	Firelite Plus
<b>THICKNESS</b>	3/16" (5 mm) overall	Nominal 5/16" (8 mm) overall
<b>WEIGHT</b>	2.56 lb/ft <sup>2</sup> (12.5 kg/m <sup>2</sup> )	4 lb/ft <sup>2</sup> (19.53 kg/m <sup>2</sup> )
<b>VISIBLE TRANSMISSION</b>	88%	85%
<b>VISIBLE REFLECTION</b>	9%	9%
<b>HARDNESS (VICKERS)</b>	700	700
<b>FIRE RATING</b>	20 minutes to 3 hours	20 minutes to 3 hours
<b>IMPACT SAFETY RATING</b>	Meets ANSI Z97.1 and CPSC 16CFR1201	Meets ANSI Z97.1 and CPSC 16CFR1201
<b>STC RATING</b>	35	38

## LABELING

Permanently labeled with FireLite NT or FireLite Plus logo, UL logo, and fire rating.

## INSTALLATION

FireLite NT and FireLite Plus shall be glazed into the appropriate fire-rated framing with an approved glazing compound (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 NT and FireLite Plus shall be glazed with fire-rated glazing tape.

Inspect each piece 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 NT and 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

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

## ONE DAY GLASS FAMILY OF PRODUCTS

- **FireLite NT**  
Fire-rated, impact safety-rated glass ceramic with surface-applied film
- **FireLite Plus**  
Fire-rated, laminated, impact safety-rated glass ceramic
- **Neoceram**  
Heat-resistant glass-ceramic
- **Tempered Glass**
- **Mirrors**
- **Laminate**