

FIRE-RATED, IMPACT SAFETY-RATED GLASS CERAMIC WITH SURFACE-APPLIED FILM FOR USE IN PSYCHIATRIC FACILITIES

FireLite[®] NT2 is a 3/16" (5 mm) thick fire-rated and impact safety-rated glazing material designed for use in psychiatric facilities using the strict guidelines of the New York State Department of Mental Health. The film is factory applied to both sides of the glass to reduce patient ability to interact with the glass.

USES IN PSYCHIATRIC FACILITIES

Smoke Barrier -

Door vision panels

Sidelights

Premium Grade -

Door vision panels (no sidelights)



FIRE RATING
20 TO 180 MINUTES



ultraHD[®]
TECHNOLOGY



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

FEATURES

- ultraHD[®] Technology for improved surface quality, color
- Fire-rated for up to 180 minutes with required hose stream test
- Factory-applied film on both sides of the glass
- Reduces patient ability to escape, weaponize the glass, or self-harm
- 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
- 3-year limited warranty

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 TGP regarding Pilkington Pyrostop[®].

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	CAN/ULC-S104	MEA 290-90-M-6
UL 10B	NFPA 252	CAN/ULC-S106	LARR 25798
UL 10C	NFPA 257		

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)	3,204 in ² / 22.25 ft ² (2.07 m ²)	36" (914 mm)		89" (2,260 mm)
	DOORS (temp rise)	100 in ² / 0.69 ft ² (.06 m ²)	12" (304 mm)		33" (838 mm)
	OTHER THAN DOORS	3,325 in ² / 23.09 ft ² (2.15 m ²)	95" (2,413 mm)		95" (2,413 mm)
90 min.	DOORS (non-temp rise)	2,034 in ² / 14.13 ft ² (1.31 m ²)	36" (914 mm)		56-1/2" (1,435 mm)
	DOORS (temp rise)	100 in ² / 0.69 ft ² (.06 m ²)	12" (304 mm)		33" (838 mm)
	OTHER THAN DOORS	2,627 in ² / 18.24 ft ² (1.69 m ²)	56-1/2" (1,435 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 Standard
48" x 96"
(1.21 m x 2.43 m)

GENERAL CHARACTERISTICS

THICKNESS: 3/16" (5 mm) overall
WEIGHT: 2.56 lb / ft² (12.5 kg / m²)
APPROX. VISIBLE TRANSMISSION: 88%
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: 35

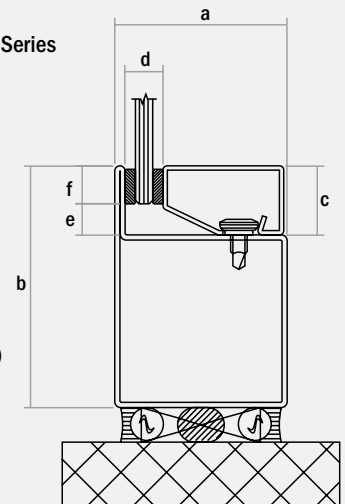
LABELING

Each piece of FireLite NT2 shall be permanently labeled with the FireLite NT2 logo, UL logo and fire rating.

Detail based on use of Fireframes Designer Series narrow profile framing

Glazing Thickness: 3/16" - 1"
(5 mm - 25.4 mm)

a. Frame width: 2" (51 mm)
b. Frame height: 2-3/4" (70 mm)
c. Stop height: 3/4" (19 mm)
d. Pocket width: 1/2" - 1-1/4"
(12.7 mm x 31.8 mm)
e. Edge clearance: 1/4" (6.4 mm)
f. Bite: 1/2" (12.7 mm)



INSTALLATION

FireLite NT2 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 in² (.8987 m²), FireLite NT2 shall be glazed with fire-rated glazing tape as supplied by TGP.

Inspect each piece of FireLite NT2 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 NT2 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 NT2 must be handled with care during transportation, storage, inspection and installation. Store in a dry place.