

**Fire-Rated, Impact Safety-Rated Wired Glass  
With Surface-Applied Film  
Fire-Rating: 20-90 Minutes**

WireLite<sup>®</sup> NT is a 17/64" (6.8 mm) thick glazing material composed of wired glass and a fire-rated surface-applied film. WireLite NT is listed for use in doors, sidelites, transoms and borrowed lites.

**FEATURES**

- Fire-rated for up to 90 minutes with required hose stream test
- Impact safety-rated-meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- Fits in Fireframes<sup>®</sup> Designer Series from TGP, or standard fire-rated frames
- Withstands thermal shock
- May be lightly sandblasted or etched on the unfilmed side without affecting fire rating
- Protects from fire and impact on both sides of the glass
- Available as an insulated glass unit
- 3-year limited warranty
- Available in Diamond Clear, 3/4" pattern (19 mm) and Georgian Clear, 1/2" pattern (12.7 mm)

**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<sup>®</sup>.

**LISTINGS/STANDARDS**

Classified and labeled by Underwriters Laboratories, Inc. <sup>®</sup> 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 | LARR 25798 |
| UL 10B | NFPA 252 | CAN/ULC-S106 |            |
| UL 10C | NFPA 257 |              |            |



BIM 3D Model Available



UL Classified & Labeled



Fire-Rated



Hose Stream Tested



Impact-Rated



Positive Pressure Tested

**MAXIMUM EXPOSED AREA**

| RATING                | ASSEMBLY                                  | MAX. EXPOSED AREA   | MAX. WIDTH OF EXPOSED GLAZING      | OR | MAX. HEIGHT OF EXPOSED GLAZING   |
|-----------------------|---|---|------------------------------------|----|----------------------------------|
| <b>STANDARD SIZES</b> |   |   |                                    |    |                                  |
| 20 min.               | DOORS (non-temp rise)<br>OTHER THAN DOORS | 3,289 in <sup>2</sup> / 22.84 ft <sup>2</sup> (2.12 m <sup>2</sup> )<br>1,296 in <sup>2</sup> / 9 ft <sup>2</sup> (.84 m <sup>2</sup> ) | 34-3/4" (883 mm)<br>54" (1,372 mm) |    | 92" (2,337 mm)<br>54" (1,372 mm) |
| 45 min.               | DOORS (non-temp rise)<br>OTHER THAN DOORS | 1,296 in <sup>2</sup> / 9 ft <sup>2</sup> (.84 m <sup>2</sup> )   | 54" (1,372 mm)                     |    | 54" (1,372 mm)                   |
| 60 min -<br>90 min.   | DOORS                                     | 100 in <sup>2</sup> / .69 ft <sup>2</sup> (.06 m <sup>2</sup> )   | 10" (254 mm)                       |    | 33" (838 mm)                     |

Note: Individual lite sizes cannot exceed "Max. Exposed Area" shown above.

| RATING                                      | ASSEMBLY                                  | MAX. EXPOSED AREA   | MAX. WIDTH OF EXPOSED GLAZING   | OR | MAX. HEIGHT OF EXPOSED GLAZING    |
|---|---|---|---------------------------------|----|-----------------------------------|
| <b>SIZES WHEN GLAZED WITH PEMKO FG3000™</b> |   |   |                                 |    |                                   |
| 45 min.                                     | DOORS (non-temp rise)<br>OTHER THAN DOORS | 2,856 in <sup>2</sup> / 19.83 ft <sup>2</sup> (1.84 m <sup>2</sup> )<br>4,608 in <sup>2</sup> / 32 ft <sup>2</sup> (2.97 m <sup>2</sup> ) | 34" (839 mm)<br>100" (2,540 mm) |    | 84" (2,134 mm)<br>100" (2,540 mm) |
| 60 min.                                     | WOOD DOOR<br>(non-temp rise)              | 960 in <sup>2</sup> / 6.66 ft <sup>2</sup> (.62 m <sup>2</sup> )  | 12" (305 mm)                    |    | 80" (2,032 mm)                    |
| 90 min.                                     | DOORS (non-temp rise)                     | 552 in <sup>2</sup> / 3.83 ft <sup>2</sup> (.36 m <sup>2</sup> )  | 12" (305 mm)                    |    | 46" (1,168 mm)                    |

Note: Individual lite sizes cannot exceed "Max. Exposed Area" shown above.

## MAXIMUM SHEET SIZE

|                       |                                 |                                 |
|-----------------------|---------------------------------|---------------------------------|
| <b>SURFACE FINISH</b> | Diamond                         | Georgian                        |
|                       | 58" x 100"<br>(1.47 m x 2.54 m) | 58" x 100"<br>(1.47 m x 2.54 m) |

## GENERAL CHARACTERISTICS

|                               |  |
|-------------------------------|--|
| THICKNESS:                    | Nominal 17/64" (6.8 mm)<br>overall                     |
| WEIGHT:                       | 3.79 lb / ft <sup>2</sup> (18.50 kg / m <sup>2</sup> ) |
| APPROX. VISIBLE TRANSMISSION: | 77%  |
| FIRE RATING:                  | 20 to 90 minutes                                       |
| IMPACT SAFETY RATING:         | Meets ANSI Z97.1 and CPSC<br>16CFR1201 (Cat. I and II) |

## LABELING

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

## INSTALLATION

WireLite NT 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 sizes larger than 1,296 in<sup>2</sup> (.84 m<sup>2</sup>) or 54" (1.37 m) in one dimension (noted in the size schedule for standard sizes), WireLite NT shall be glazed with Pemko FG3000™ as supplied by the installer.

## STORAGE & HANDLING

Inspect each piece of WireLite NT immediately before installation and eliminate any with observable edge damage or face imperfections. WireLite NT 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.

### Detail based on use of Fireframes Designer Series narrow profile framing

|                    |                            |
|--------------------|----------------------------|
| Glazing Thickness: | 17/64" nominal<br>(6.8 mm) |
| a. Frame width:    | 2" (51 mm)                 |
| b. Frame height:   | 2-3/4" (70 mm)             |
| c. Stop height:    | 5/8" (typical) (15 mm)     |
| d. Pocket width:   | 9/16 (14.3 mm)             |
| e. Edge clearance: | 1/4" (6.4 mm)              |
| f. Bite:           | 1/2" (12.7 mm)             |

