

FireLite® IGU

- Fire-Rated**
- Impact/Safety-Rated**
*Depending upon Configuration
- Barrier to Heat**

TecniGlas

Division of ProScience Inc.

1-800-267-1616

Fax: 416-446-6412

www.TecniGlas.com

TecniGlas offers you the leading products in Glass Safety

FIRELITE

- Fire-Rated

FIRELITE PLUS

- Fire-Rated
- Impact/Safety-Rated

FIRELITE NT

- Fire-Rated
- Impact/Safety-Rated

FIRELITE IGU

- Dual lite unit
- STC Rating
- U Value
- Fire or Fire and Impact/Safety-Rated

PYROSTOP

- Fire-Rated
- Impact/Safety-Rated
- Barrier to Radiant Heat

X-RAY

- LX57B Radiation Shielding Glass

NEOCERAM

- Ceramic glass commonly used in gas fireplaces or woodstoves

We also offer but not limited to; Industrial Gauge and Sight Glass, High Temperature/Pressure requirements and other applications.

Fire-Rated or Fire/Impact Safety-Rated Insulated Glass Units (IGU)

Finally, a fire-rated glass ceramic is now available in a configuration that also complies with energy codes. FireLite IGU is composed of FireLite products and tempered or annealed float glass. It is listed for use in fire-rated applications with ratings from 45 minutes to 3 hours.*

*3 hour rated units must be specified with FireLite NT®; or FireLite Plus®

FEATURES

- Clear and wireless
- 10-year limited warranty
- Large sizes available
- Fire-rated for up to 90 minutes (3 hours in a door)
- Impact safety-rated – meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- Fits in standard fire-rated frames or Designer and Hardwood Series Fireframes from TecniGlas
- Available incorporating a variety of glass products, including (but not limited to): *Tinted /Low-E /Reflective /One-Way Mirror /Art Glass*
- May be lightly sandblasted/etched or beveled on one side without affecting fire-rating
- Passes positive pressure test standards UL 10C, UBC 7-2 and UBC 7-4

Note: This product is not a barrier to radiant heat. This product does not meet test standards ASTM E- 119 or UL 263. If your jurisdiction requires a "barrier to heat" product, please contact TecniGlas and ask about the use of Pyrostop™.

LISTINGS

Listed and labeled by Underwriters Laboratories, Inc.® and Underwriters' Laboratories of Canada. Test report number for labeled fire-rated assemblies are UL File No. R13377 and ULC File No. CR2713. All above tests performed in accordance with UL 9, UL 10B, UL 10C, ASTM E2074, ASTM E2010, CSFM 43.7, NFPA 252, NFPA 257, UBC 43.2, UBC 43.4, UBC 7-2, UBC 7-4, CAN4 S-104 and CAN4 S-106.

Rating	Assembly	Max. Exposed Area (Sq. In./Sq.Ft)	Max. Width Of Exposed Glazing (In.)	or Max. Height Of Exposed Glazing (In.)	Stop Height
20 to 60 min.	Doors (non-temp rise)				
	HMS or wood*	3,204/22.25	36	89	5/8"
	Fireframes D. S.	3,204/22.25	36	89	3/4"
	Doors (temp rise)	100/0.69	12	33	5/8"
	Other than doors				
	HMS or wood*	3,325/23.09	95	95	5/8"
90 min.	Fireframes D. S.	3,325/23.09	95	95	3/4"
	Doors (non-temp rise)	2,034/14.13	36	56 - 1/2	3/4"
	Doors (temp rise)	100/0.69	12	33	12"
	Other than doors				
	HMS*	2,627/18.24	56 - 1/2	56 - 1/2	5/8"
	Fireframes D. S.	2,627/18.24	56 - 1/2	56 - 1/2	3/4"
3 hour	Doors	100/0.69	12	33	1/2"

*HMS indicates hollow metal steel framing. Fireframes D.S. indicates **Designer Series** narrow profile framing available from TecniGlas. For wood frames, please ask TecniGlas about new Hardwood Fireframes.

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

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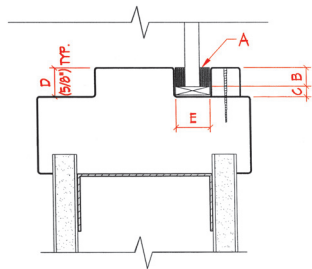
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Glazing Thickness: 3/16"
Scale 6" = 1'-0"

- a. Closed cell PVC Tape
- b. Bite: 3/8"
- c. Edge clearance: 1/4" (perimeter)
- d. Stop height: 5/8"
- e. Pocket width: 1/2"

Surface Finish	Premium	Standard	Obscure	FireLite Plus
Max. Sheet Size	48" X 96"	48" X 96"	36" X 96"	48" X 96"

This information is intended for general reference only. For current listing details, please call TecniGlas

SPECIFICATIONS

Due to the great variety of possible make-ups with FireLite IGU, please call TecniGlas at **1-800-267-1616** for assistance when preparing specifications. Additional specification information is available at **www.TecniGlas.com**.

Complete 3-part CSI format specifications are available online at www.TecniGlas.com, or by calling 1-800-267-1616. Please contact TecniGlas for more information.

GENERAL CHARACTERISTICS

- Seal: ----- Dual-seal polysulfide units
- U-Value: ----- Similar to standard insulating units with a make-up of:
1/4" float glass - 1/2" air space - 1/4" float glass
Summer U-Value: Approximately .55
Winter U-Value: Approximately .49
- STC Rating: ----- 3/16" FireLite - 9/16" air space - 1/4" float glass = Approx. 32 dB
5/16" FireLite Plus - 9/16" air space - 1/4" float glass = Approx. 39 dB

LABELING

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



INSTALLATION

FireLite IGU shall be glazed into the appropriate fire-rated framing with an approved glazing compound (polysulfide sealant or closed cell PVC tape) as supplied by the installer, **do not use pure silicone**. For 90 min. ratings that exceed 1,393 sq. in., FireLite IGU shall be glazed with fire-rated glazing tape as supplied by TecniGlas. Check for clearance around the edges, and adjust setting blocks as needed. All edges of the lite(s) must be captured for a valid fire rating.

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

FireLite and FireLite Plus are registered trademarks of Nippon Electric Glass Co., Ltd. Scotchshield and 3M are registered trademarks of 3M.