



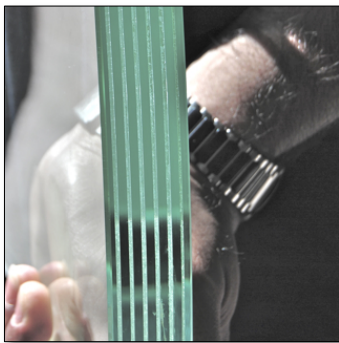
FIRE-RATED FIRESWISS™



PRODUCT DESCRIPTION

FIRESWISS is a fire-resistive glazing made in Switzerland by Glas Trösch AG and fabricated in North America by Glassopolis.

Glas Trösch is a 100 year old Swiss glass company. It's EuroGlas division is major primary glass producer, making over 3,000 tonnes of glass per day in 4 modern float plants. Glas Trösch has partnered with Glassopolis to introduce FIRESWISS products specifically designed for the North American fire-rated market. All FIRESWISS products sold by Glassopolis are UL Classified and pass all the required North American test standards. FIRESWISS is a high quality and high performance glass.



FIRESWISS is a specially fabricated multi-laminate fire-rated glazing material that not only survives a fire to protect against smoke, but also insulates against the heat of the fire.

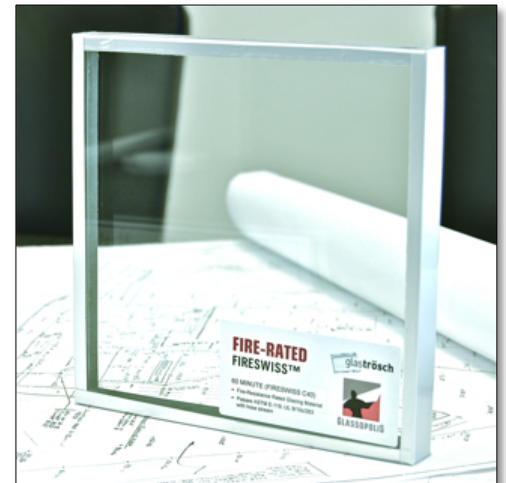
FIRESWISS outperforms other products in this category because it's a solid multi-laminate glass. Unlike its competitors that are liquid or gel filled IGUs, this product will not leak or yellow over time. It's the best choice.

FIRESWISS is listed for use in doors, sidelites, transoms, windows and wall applications. It is fully UL Classified and meets all North American building code standards.

FIRESWISS is also available as FIRESWISS SECURE with additional security layers laminated to the glass for detention, institution, hospital, education and ballistic applications or anywhere fire protection and enhanced security features are needed.

FEATURES

- High performance fire-rated glass
- Passes all required North American test standards
 - Barrier to heat: passes ASTM E-119 and UL 263
 - Usable in windows: passes UL 9
 - Usable in doors: passes UL 10C
 - Usable in temperature rise doors: passes (<250°F temp rise)
 - Impact-safety: passes ANSI Z97.1 and CPSC 16CFR1201 Cat I and II
 - Hose stream: passes required hose stream test
- High optical quality: *wireless and colorless with no yellow tint*
- Multi-laminate construction: *strong and durable*
- *Does not require expensive framing systems – ask us*
- Thickness: 5/8" - 2 1/8". Weight: 8 -25 lbs/ft² (depends on application)
- STC rating: 41 dB (45 & 60 minute applications)
- Available with enhanced security layers as FIRESWISS SECURE
- Can be made into IGUs



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GLASSOPOLIS
SPECIALTY GLASS

TYPICAL LISTINGS

Fire-Rating	Dimensions	Application	Max Sq In (in ²)	Max Width (in)	Max Height (in)	Stop Height (in)
20 min	⁷ / ₁₆ " thick 5.6 lbs/ft ²	Doors	4608	96	96	⁵ / ₈
45 min	¹⁵ / ₁₆ " thick 10.9 lbs/ft ²	Windows, Transoms, Sidelights	3223	92 ³ / ₄	92 ³ / ₄	⁵ / ₈
		Doors	2859	34 ⁵ / ₈	82 ⁹ / ₁₆	³ / ₄
45 min	1- ¹ / ₁₆ " thick 12.6 lbs/ft ²	Windows, Transoms, Sidelights	4608	96	96	⁵ / ₈
		Doors	4608	48	96	⁵ / ₈
60 min	¹⁵ / ₁₆ " thick 11.8 lbs/ft ²	Windows, Transoms, Sidelights	1868	22 ⁵ / ₈	82 ⁹ / ₁₆	⁵ / ₈
		Doors	1868	22 ⁵ / ₈	82 ⁹ / ₁₆	⁵ / ₈
		Walls	3355	95 ¹ / ₄	95 ¹ / ₄	⁵ / ₈

All listing information is representative and is subject to change. To be confirmed at time of sale. Tests performed in accordance with some or all of the following: ASTM E-119, ASTM E2074, ASTM E2010, UL 263, UL 9, UL 10B, UL 10C, CSFM 43.7, NFPA 80, NFPA 251, NFPA 252, NFPA 257, UBC 43.2, UBC 43.4, UBC 7-2, UBC 7-4, CAN4 S-104, CAN4 S-106.

FRAMING OPTIONS

Glassopolis tries hard to meet your needs and offers products that give you affordable framing options. FIRESWISS can be glazed without the need for expensive customized steel frames. Approved options include hollow metal windows and doors for certain fire-ratings. FIRESWISS can also be glazed directly into fire-rated walls. See Glassopolis for the latest approved framing options.

STORAGE & HANDLING

Lites should be handled with care during transportation, storage, inspection, and installation. Lites should be stored in dry conditions only. Do not expose to direct sunlight. Stack upright or at a slight angle. Do not store below -20°F or above 120°F.

INSTALLATION

Lites shall only be installed according to approved fire-rated assemblies. Each lite should be inspected carefully before installation, and any pieces with visible edge or surface damage should be sorted out. Each lite must be glazed with its aluminum edge tape intact and undamaged. All glazing components and the stop height must be chosen according to the classification. The lite must be placed on hardwood, rubber or calcium silicate setting blocks and glazed using 3/8" wide closed cell PVC tape. Do not pressure glaze.

The production process may create certain optical imperfections. Since these do not generally impair the transparency or the technical performance of the product, they do not represent cause for rejection or replacement.

MAINTENANCE & CARE

Keep the lite clean. Use a soft, clean, non-abrasive cloth and pure water or special glass cleaning solutions. Do not use alkaline detergent solutions, acids, fluoridated agents or abrasive compounds. Clean grease with alcohol and rinse with pure water. After cleaning, rinse immediately with clean water and remove any excess water from the lite surface. Do not damage the aluminum edge tape. Keep edges dry. Failure to comply with any of the Framing, Storage & Handling, Installation, and/or Maintenance & Care guidelines may void warranty and affect performance of the glass.

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