

Energy Performance Fire Protective Solution that Reduces Radiant Heat Transfer

SuperLite I-XL patented technology now affords fire-rated products to have energy performance similar to all insulated units. SuperLite I-XL IGU provides the highest energy efficiency available in fire protective products as well as radiant heat protection which is not provided by most 45 or 60 minute fire protective exterior products.

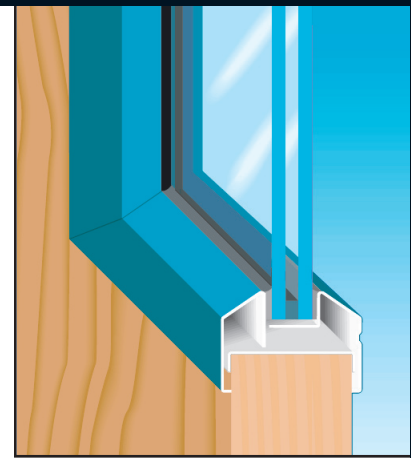
The technology of SuperLite I-XL IGU as compared to ceramics blocks up to 90% of the dangerous radiant heat generated by a nearby fire. This added protection stops the fire from jumping to adjacent properties while maintaining its integrity. The superior clarity of SuperLite I-XL IGU, when compared to ceramics amber tint & 'orange peel' effect, provides optimal vision. While SuperLite I-XL IGU provides additional benefits and greater clarity than ceramics, it is less than half the price.

The intended use of SuperLite I-XL IGU for exterior use is preferred by fire fighters because it can be broken out cleanly, allowing them quick access to the fire and safe egress of occupants. Due to the benefits of protecting people and property from radiant heat, SuperLite I-XL IGU is recognized by many AHJs as a superior solution for 45 minute exterior glazing even though it does not pass the hose stream portion of the fire protective testing in the USA. This same type of fire protective solution has been used throughout the world for over 20 years.

This product is recognized and accepted by the GSA, city of San Francisco and other cities as a preferred solution for 45-minute applications.

SuperLite I-XL IGU Product Features

- **Blocks up to 90% of dangerous radiant heat compared to wired and ceramic glazing.**
- **Tempered to meet the highest federal safety standard, Consumer Product Safety Commission 16CFR 1201 Cat. II, which requires withstanding 400 ft. lbs. of impact.**
- **Positive Pressure fire rated to 45/60-minutes without hose stream.**
- **Survives thermal shock from sprinklers.**
- **USA manufactured for fast delivery.**
- **For use in hollow metal, wood, aluminum, or any equally fire-rated framing system.**
- **Does not meet ASTM E119. For products meeting ASTM E119 see SuperLite II-XL.**



SuperLite I-XL IGU 45-minute in vision kit framing



FIRE RATED



RADIANT HEAT



IMPACT RATED



THERMAL SHOCK



POSITIVE PRESSURE

Fire Rating*	Application	Max. Lite Area**	Max. "W"	Max. "H"	Stops	Testing
45 minutes	Doors	3,341 sq. in.	35-1/8"	95-1/8"	5/8"	
45 minutes	Sidelites	3,522 sq. in.	35-1/8"	95-1/8"	5/8"	
45 minutes	Windows / Transoms	3,522 sq. in.	48"	96"	5/8"	
60 minutes	Doors	3,341 sq. in.	35-1/8"	95-1/8"	5/8"	
60 minutes	Sidelites	3,341 sq. in.	35-1/8"	95-1/8"	5/8"	
60 minutes	Windows / Transoms	3,341 sq. in.	35-1/8"	95-1/8"	5/8"	

* SuperLite I-XL IGU is fire tested to UBC 7-2, UBC STD 7-4, NFPA 252, NFPA 257, UL 9, UL 10B, UL 10C, ASTM E2074, ASTM E152, ASTM E2010, and ASTM E163. SuperLite I-XL IGU requires AHJ approval because it carries a conditional listing similar to glass block products.

** Maximum area allowed is 25% of the wall area. Any ratings over 45 minutes should consider the dangers caused by radiant heat.

Product Specifications

Thickness: 3/4", 7/8", and 1"

Weight: 6 lbs./sq. ft.

Appearance: Clear, wireless non-directional, also available in exterior directional makeup

Non-directional 3/4" makeup

1/4" Specialty Tempered SuperLite I-XL

1/4" Air Space

1/4" Specialty Tempered SuperLite I-XL

Summer U-Value 0.30

Winter U-Value 0.31

Solar Heat Gain Coefficient 0.51

Shading 0.59

STC 39

Light Transmission 56%

Listed and Labeled

SuperLite I-XL IGU is patented, listed and labeled with positive pressure by Intertek/Warnock Hersey, Inc. Intertek/Warnock Hersey permanent labels are applied to all glass lites. This product carries a conditional listing.



Standards

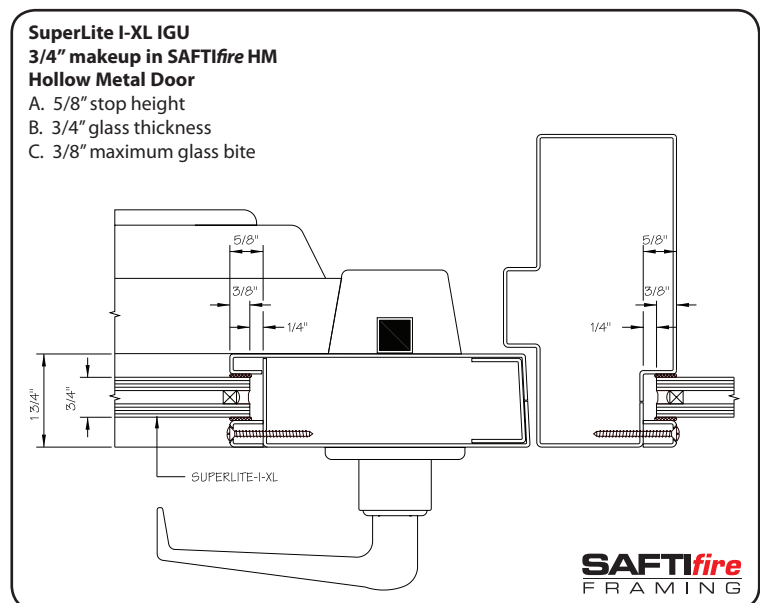
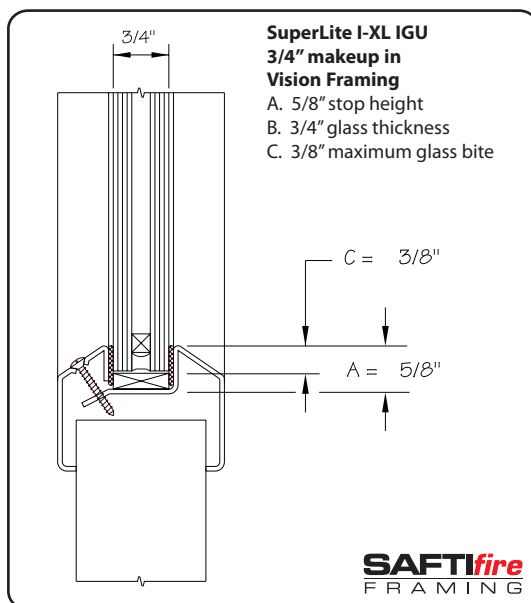
UBC 7-2, UBC STD 7-4, NFPA 252, NFPA 257, UL 9, UL 10B, UL 10C, ASTM E2074, ASTM E152, ASTM E2010, and ASTM E163. This product requires AHJ approval because it does not pass the hose stream portion of the test.

Delivery

Allow 5 days from confirmed order. Quick ship is available upon request.

Typical Framing for SuperLite I-XL IGU

Visit www.safti.com for downloadable 3-part specifications, full CAD details, and a complete selection of SAFTI^{fire}™ Framing.



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