

The UL listings below apply to the following glass types:

WireLite NT, 7/16" Pyroshield Plus, SuperLite I-W or Protect3 Safety Glass


Firelite NT, Keralite FR-F, or Pyran F (All Grades)

5/16" Firelite Plus, Keralite FR-L, or Pyran L (Laminate)

Underwriters Laboratories Listings

Listings below are for Positive Pressure Rated (UL10C) openings for Styles listed below. Negative Pressure Listings are available by contacting Customer Service.

NOTE: The International Building Codes (IBC) no longer allows use of glass in doors that is not safety rated. Therefore we have removed all non-safety rated glass from these listings. If you have an approved use for a non-safety rated glass such as 1/4" Wired Glass, WireLite, 3/16" FireLite, Keralite FR-R, or Pyran S contact us to discuss your options.

	Other Conditions or Restrictions	Rating (minutes)	Maximum Exposed Area in Square Inches	Maximum Width of Exposed Area	Maximum Height of Exposed Area	Glazing Tape Required
---	----------------------------------	------------------	---------------------------------------	-------------------------------	--------------------------------	-----------------------

GLASS TYPES: 7/16" Pyroshield; Firelite NT; Firelite Plus; Keralite FR-F; Keralite FR-L; Pyran F; and Pyran L

Unless Specified below Door Types are: Wood Core, Wood with Mineral Core, or Steel Doors with Honeycomb, Mineral Core, or Steel Stiffened Cores

	Glasses Listed Above	20-45	1296	54"	54"	None
	Glasses Listed Above	20-45	2856	34"	84"	FG3000S45 ²
	Glasses Listed Above Temperature Rise Doors	60-90	100	12"	33"	None
	Glasses Listed Above Non-Temperature Rise Doors	60-90	300	15"	33"	None
	Glasses Listed Above Non-Temperature Rise Doors	60	Max: 1920 Single Lite: 960	12" 24"	80" 36"	FG3000S90 ² HSS2000 ¹
	Using Firelite, Keralite, or Pyran. Non-Temperature Rise Doors	60-90	1296	54"	54"	FG3000S90 ²
	Glasses Listed Above Non-Temperature Rise Doors	90	Max: 2208 Single Lite: 552	12"	46"	FG3000S90 ² HSS2000 ¹


Temperature Rise Doors

Contact our office for light kits for temperature rise doors.

The UL listings below apply to the following glass types:

WireLite NT, SuperLite I-W, or Protect 3

Underwriters Laboratories Listings

	Other Conditions or Restrictions	Rating (Minutes)	Maximum Exposed Area Square Inches	Maximum Width Of Exposed Area	Maximum Height Of Exposed Area	Glazing Tape Required
GLASS TYPES: WireLite NT; SuperLite I-W; or Protect 3						
<i>Unless Specified below Door Types are: Wood Core, Wood with Mineral Core, or Steel Doors with Honeycomb, Mineral Core, or Steel Stiffened Cores</i>						
	WireLite NT, SuperLite I-W Steel Doors ONLY	20	3289	35 3/4"	92"	None
	SuperLite I-W	20-60	1296	54"	54"	None
	Protect 3	20-45	1296	54"	54"	None
	WireLite NT	20-60	1296	54"	54"	None
	WireLite NT, SuperLite I-W or Protect 3 Steel Doors ONLY	45	2856	34"	84"	FG3000S45 ²
	WireLite NT, SuperLite I-W or Protect 3 Wood Doors ONLY	60	960	12"	80"	FG3000S90 ² HSS2000 ¹
	Steel or Wood Doors WireLite NT Steel Doors ONLY SuperLite I-W, Protect 3	90	552	12"	46"	FG3000S90 ² HSS2000 ¹
<i>Temperature Rise Doors</i>						
	Protect 3	60-90	100	12"	33"	None

Conditions of UL Listings & Approvals

Underwriters Laboratories Listings

Note 1: PEMKO HSS2000 must be applied to the perimeter of the Glass as shown on Page 13 when using 7/16" Pyroshield Plus, 1/4" Labeled Wire Glass or Protect3 Safety Glass in Wood Doors.

Note 2: When PEMKO FG3000 Glazing Tape is required it must be applied as shown on Page 13. When using PEMKO FG3000S45 or FG3000S90 a special glass pocket is required. 7/16" Pyroshield Plus; 5/16" Firelite Plus; 5/16" Keralite FR-L; and 3/8" Pyran-L require a special glass pocket due to the glass thickness. Multiple lites are ONLY allowed in doors approved for multiple lites and the combined total of visible light cannot exceed the maximum square inches or maximum width and height dimensions allowed.

Note: Low Profile is limited to a glass weight of 85 lbs. (WireLite NT weighs 2.4 lbs./Sq. Ft.; 7/16" Pyroshield Plus weighs 5.6 lbs./Sq. Ft.; 5/16" Firelite Plus weighs 4.0 lbs./Sq. Ft.

Please contact our office for heavier glass.

CONDITIONS OF UL LISTINGS & APPROVALS

1. Frames can be manufactured from either 18 GA. or 16 GA. Steel, Galvanized Steel, or Stainless Steel.
2. Mullions are **UL Listed** when installed using a single sheet of labeled glazing materials listed on page 1.
3. Custom Shape Frames are **UL Listed** to 1296 in.² for 20-45 Minute with no dimension greater than 54"; and to 100 in.² for 60-90 Minute Installations with maximum dimensions of 12" wide x 33" high. This includes Crosses, Triangles, Hexagons, etc.

Temperature Rise restrictions apply to 60 & 90 Minute Positive Pressure Installations

4. **Veneer Wrapped Frames** do not require use of compound, tape, or intumescent up to 1296 in.² for 20 & 45 Minute Wood Doors with no dimensions exceeding 54", and to 300 in.² in 60 & 90 Minute Wood Doors with maximum dimensions of 15" wide x 33" high. Restrictions for "Large Light Sizes" apply with the following exceptions. 45 Minute installations are limited to 2695 in.² with a maximum visible lite size of 35" wide x 77" high using **Pyroshield Plus, Firelite, Keralite, or Pyran.**
5. Door Light Frames manufactured for doors 1³/₈" to 2¹/₄" thick can be labeled and used in appropriately labeled doors.
6. Hollow Metal Doors approved to use a clip system, in lieu of full perimeter channels, can use the our Hollow Metal Door Clips. Call for info.

The UL listings below apply to the following glass types:

FireGlass, PyroEdge 20, PyroSwiss, or SuperLite I 20 (Tempered Glass)

Underwriters Laboratories Listings

	Other Conditions or Restrictions	Rating (minutes)	Maximum Exposed Area in Square Inches	Maximum Width of Exposed Area	Maximum Height of Exposed Area	Glazing Tape Required
Positive Pressure Listing Specifications (UL10C)						
GLASS TYPES: FireGlass, PyroEdge 20, PyroSwiss, or SuperLite I 20						
<i>Unless Specified below Door Types are: Wood Core, Wood with Mineral Core, or Steel Doors with Honeycomb, Mineral Core, or Steel Stiffened Cores</i>						
	FireGlass, PyroEdge or PyroSwiss	20 No Hose	1296	54"	54"	None
	FireGlass, PyroEdge or PyroSwiss	20 No Hose	2856	34"	84"	FG3000S45 ¹
	Wood Doors SuperLite I 20	20 No Hose	2719	77 1/8"	77 1/8"	FG3000S45 ¹
	Steel Doors SuperLite I 20	20 No Hose	2678	109"	109"	FG3000S45 ¹
Negative Pressure Listing Specifications (UL10B)						
<i>Unless Specified below Door Types are: Wood Core, Wood with Mineral Core, or Hollow Metal Doors</i>						
	FireGlass, PyroEdge, or PyroSwiss	20 No Hose	1296	30"	54"	None
	FireGlass, PyroEdge, or PyroSwiss	20 No Hose	2856	34"	84"	FG3000S45 ²

Note 1: PEMKO FG3000 Glazing Tape is required. When using Pemko FG3000S45 a special glass pocket is required.

PyroEdge, PyroSwiss, and SuperLite I are each available in thicknesses greater than 1/4" and requires a special glass pocket. Multiple lites are ONLY allowed in doors approved for multiple lites and the combined total of visible light cannot exceed the maximum square inches and maximum width and height dimensions allowed.

Note: Low Profile is limited to 85 lbs. (FireGlass 20, PyroEdge 20 & SuperLite I 20 weighs 3.0 lbs./Sq. Ft.; 3/8" PyroEdge 20 weighs 4.5 lbs./Sq. Ft.; PyroSwiss weighs 2.6 lbs./Sq. Ft.)

Please contact our office for alternate frames for heavier glasses.