

HOW TO CHOOSE YOUR GLAZING

A.) If you need Fire-Rated:

TYPE	20 Min	45 Min	60 Min	90 Min	180 Min
Fire Protective	PYRO				
	WS				
	PPF, PPL				
Fire Resistive	CT45				
			CT 60	CT90	

B.) If you need Non-Fire-Rated or Special Features:

Toughened	Shatterproof	Ballistic Resistance	Privacy	XRay	Exterior
TEMP	LAMI	ARM BRG	VLFEZIGMB VSIIGMB MIRR	LEAD	TEMPLE INSU

C.) If you have a Specified Thickness or Vision Lite:

3/16" (5mm)	1/4" (6mm)	5/16" (8mm)	3/8" (9.5mm)	1/2" (12mm)	5/8" (16mm)	13/16" (20.6mm)	1" (25mm)	1-1/16" (26.9mm)	1-3/16" (30mm)	1-5/16" (33.3mm)	1-1/2" (38mm)	1-3/4" (45mm)
VLF		VLFIG										
VLFEZ		VLFEZIG										
VSLH/VSL			VSIIG									
PPF	WS	LEAD	PPL	LAMI	INSU	ARM1	CT45	ARM2	BRG1	ARM3	CT90	BRG3
	PYRO			CT60			BRG2					
	TEMP			INSU								
	LAMI											



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COLOR KEY:
Fire Protective
Fire Resistive

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Fire-Rated & Safety-Rated Glass Comparison Chart

PRODUCT	PYROGLASSHIELD				WIRESHIELD				PYRAN® PLATINUM F				PYRAN® PLATINUM L				CONTRASHIELD 45				CONTRASHIELD 60 & 90																											
PART NUMBER	PYRO								WS								PPF								PPL								CT45								CT60 & CT90							
MATERIAL	Tempered alkaline safety glass.								Annealed single glazing with safety film a and embedded 3/4" x 3/4" wire mesh diamond pattern.								Environmentally-friendly neutral-colored fire and safety-rated glazing.								Two lites of environmentally-friendly neutral-colored fire and safety-rated glazing laminated together								Three or five panes of laminated safety glass enclosing two intumescent interlayers.								CT60 Three panes of tempered safety glass and two intumescent layers CT90 Five panes of tempered safety glass and three intumescent layers							
THICKNESS	1/4" (6 mm)								1/4" (6 mm)								3/16" (4.7 mm)								3/8" (9.5 mm)								1" (25.4 mm)								CT60 1" (25.4 mm) CT90 1-1/2" (4)							
STC RATING	32								31								31								36								40								CT60 40 CT90 45							
MAXIMUM EXPOSURE	TIME (min)	in²	W	H	TIME (min)	in²	W	H	TIME (min)	in²	W	H	TIME (min)	in²	W	H	TIME (min)	in²	W	H	TIME (min)	in²	W	H	TIME (min)	in²	W	H																				
FIRE DOOR GLAZING SIZE LIMITS- IBC ALLOWED	20	3419	47.5"	95.5"	20	3289	37.75"	92"	20/45	2736	36"	76"	20/45	2736	36"	75"	45	2685	30"	89.5"	60	2685	30"	89.5"	90	3174	35.75"	88.56"																				
45					1296	54"	54"	60/90	100	36"	76"	60/90	100	36"	75"																																	
45					2856	34"	84" †**	60/90	100	36"	76"	60/90	100	36"	75"																																	
60					100	12"	80" †*	180	100	12"	33"	180	100	12"	33"																																	
90					100	12"	33"																																									
90					100	12"	46" †**																																									
AVAILABLE VISION LITES	Slimline: VSLH, VSIG, VSL								Slimline Woodlite: VWLH, VWLIG, VWL								Slimline: VSIG								Slimline Woodlite: VWLIG																							
(Refer to Vision Lite submittals for max sizes)	EZline: VLFEZ, VLFEZIG								Thrubolt: VLF, VLFIG, VLFS10, VLFSG								EZline: VLFEZIG								Thrubolt: VLFIG, VLFS10																							
SIDELITE, TRANSOM WINDOW GLAZING SIZE LIMITS- IBC ALLOWED	20	4626	95.5"	95.5"	45	1296	54"	54"	Up to 45	3422	76"	76"	Up to 45	3143	75"	75"	45	3410	95.5"	95.5"	60	4449	94.81"	94.81"	90	3174	88.56"	88.56"																				
45 Transom					3456	96"	36" †	90													3174	88.56"	88.56"																									
45 Sidelite or Window					4608	48"	96" †																																									
>45					Not Permitted																>45	Not Permitted								>45	Not Permitted																	
OPENING PROTECTION	FIRE PROTECTIVE: NFPA 252, UL10B, UL10C																								FIRE RESISTIVE: ASTM E119																							
POSITIVE PRESSURE	Yes, per UL 10C																																															
HOSE STREAM	No								Yes, per NFPA 257 or UL 9																																							
SAFETY RATED	ANSI Z97.1 (Class A & B), CPSC 16CFR 1201 (Cat I & II)																																															
COMPARABLE PRODUCTS	Fireglass® 20 Temp 20™ Pyroedge-20™ Pyroswiss®								Wirelite™ NT Safe-Wire™ Nu-Wire Protect3™								Firelite NT®								Firelite Plus®								Contraflam® 45								Superlite® II-XL 60,90 Pyrobel 60, 90 Pilkington Pyrostop® Contraflam® 60, 90							



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Glazing over 45 min requires the exposed glazing (visible light) be 100 sq. in. or less to maintain rating per IBC 2015 & 2018. Interpretation of Fire and Building Codes may vary. Consult with the Local Authority Having Jurisdiction (AHJ) to determine appropriate standards.

NOTES: † Requires FGS3000S90 to maintain rating at these sizes *Wood Door Application ** Hollow Metal Door

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