

Fire-Rated & Safety-Rated Glass Comparison Chart for Door Applications

20 Minute Rating	45 Minute Rating	60 Minute Rating	90 Minute Rating	3 Hour Rating
WireShield WS	WireShield WS	WireShield WS	WireShield WS	KeraShield FRL KFRL
PyroGlasShield PYRO	Pyran® Platinum F by SaftiFirst - PPF	KeraShield FRF KFRF	Pyran® Platinum F by SaftiFirst - PPF	KeraShield FRF KFRF
KeraShield FRF KFRF	KeraShield FRF KFRF	Pyran® Platinum F by SaftiFirst - PPF	KeraShield FRF KFRF	Pyran® Platinum F by SaftiFirst - PPF
KeraShield FRL KFRL	KeraShield FRL KFRL	KeraShield FRL KFRL	KeraShield FRL KFRL	KeraShield FRU KFRFU
Pyran® Platinum F by SaftiFirst - PPF	KeraShield FRU KFRFU	KeraShield FRU KFRFU	KeraShield FRU KFRFU	
KeraShield FRU KFRFU	SwissShield 45 SWISS45	ContraShield 60 CONTRA60	ContraShield 90 CONTRA90	



Air Louvers recommends that you consult with your local authorities having jurisdiction (AHJ) for the most current standards in your area. Links to websites with current information can be found on our website at WWW.AIRLOUVERS.COM.

Fire-Rated & Safety-Rated Glass Comparison Chart

WWW.AIRLOUVERS.COM



PRODUCT:	WireShield	PyroGlasShield	Pyran® Platinum F by SaffiFirst	KeraShield FRF	KeraShield FRL	KeraShield FRU	SwissShield 45	ContraShield 60	ContraShield 90
Product Code:	WS	PYRO	PPF	KFRF	KFRL	KFRFU	SWISS45	CONTRA60	CONTRA90
Fire Rating	90 Minutes	20 Minutes	3 Hour	3 Hour	3 Hour	3 Hour	45 Minutes	60 Minutes	90 Minutes
Maximum Exposed Area For Doors Only Non Temp Rise See Data Sheets for Information on Temp Rise Ratings	<p>20 Minute Steel: 3,289 in²</p> <p>& 20-Minute Wood: 2,856 in² max width 36" max height 84"</p> <p>45 Minute Steel 2,856 in², max width 34" max height 84"</p> <p>45 Minute Wood: 1,296 in² max width 36" max height 54"</p> <p>90 Minute Steel 552 in², max width 12" max height 46"</p>	<p>20 Minute: 3,419 in², max width: 47-1/2" max height 95-1/2"</p>	<p>20-90 Minute: 2,799 in², max width 36", max height 77"</p> <p>3 Hour 100 in², max width 10" max height 33"</p>	<p>45-60 Minute: 3627 in², max width 46" max height 78"</p> <p>90 Minute: 3,534 in², max width 46" max height 76"</p> <p>3 Hour 100 in², max width 10" max height 33"</p>	<p>45-60 Minute: 3,627 in², max width 46-1/2" max height 76"</p> <p>90 Minute: 3,534 in², max width 46-1/2" max height 76"</p> <p>3 Hour 100 in², max width 10" max height 33"</p>	<p>45-90 Minute: 2,736 in², max width 46", max height 76"</p> <p>3 Hour 100 in², max width 10" max height 33"</p>	<p>45 Minute: 3,419 in², max width 35-13/16" max height 95-1/2"</p>	<p>60 Minute: 2,685 in², max width 30", max height 89 1/2"</p>	<p>90 Minute Steel Door: 3,174 in², max width 35-3/4", max height 88-9/16"</p>
NT Rating in Rated Frame	Yes	--	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Thickness	1/4" (6 mm)	1/4" (6 mm)	3/16" (5mm)	3/16" (5mm)	5/16" (8mm)	3/4"-7/8 (18mm)	3/4" (18 mm)	15/16" (24mm)	1-7/16" (36mm)
Listing	UL or WHI (request)	UL or WHI (request)	UL or WHI (request)	UL or WHI (request)	UL or WHI	UL or WHI	WHI or UL	WHI or UL	WHI or UL
Safety Rating	ANSI Z97.1 & CPSC 16CFR1201 (CAT I & II)								
Pos. Pressure	UL 10C	UL 10C	UL 10C	UL 10C	UL 10C	UL 10C	UL 10C	UL 10C	UL 10C
Radiant Heat Barrier	No	No	No	No	No	Yes	Yes	Yes	Yes
Description	Single glazing with safety film applied to one side and embedded wire	Tempered alkaline safety glass of fire-resistant material	Glass ceramic fire-resistant glazing with safety film applied to one side	Ceramic fire-resistant glazing with safety film applied to one side	Laminate of glass ceramic & impact safety-rated material.	Laminate of glass ceramic & impact safety-rated material.	Two Panes of laminated safety glass, separated by intumescent interlayer.	Multi-laminated and fully insulating glass with two panes of tempered safety glass separated by intumescent interlayers.	
Hose Stream	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Comparable Products	Wirelite™ NT, Safe-Wire™, Superlite IW™	Fireglass® 20, Fire-safe® 20, Superlite-I, Pyroedge-20™, Pyroswiss®	Firelite NT®, Keralite®FR-F	Firelite NT®, Keralite®FR-F	Firelite Plus®, Keralite®FR-L	Keralite® Ultra	Pyrostop® Pyrobel45, SuperLite™ II-XL 45, Swissflam®45	Superlite® II-XL 60, Pyrobel 60, Pyro Stop®, Contraflam® 60	Superlite® II-XL 90, Pyro Stop®, Contraflam® 90, Pyrobel 90
STC Rating	28	--	31	32	42	36	37	Up to 45	Up to 45
Air Louvers Lite Kit*	VLF, VLFEZ, VSL	VLF, VLFEZ, VSL	VLF, VLFEZ, VSL	VLF, VLFEZ, VSL	VLFIG, VLFEZIG, VSIG, S10	VLFIG, VLFEZIG, VSIG, S10	VLFIG, VLFEZIG, VSIG, S10	VLF-IG, VLFEZIG, VSIG, S10	VLFIG

Glazing Tape: Air Louvers recommends that glazing tape or compound be used on both sides of glass to avoid breakage.

Superlite and Pyran Platinum are brands of SaffiFirst. Pyrostop, Wirelite, Fireglass and Firelite are brands of Technical Glass Products. Pyroswiss, Keralite, Swissflam and Contraflam are brands of Vetrotech. Pyroedge and Pyrobel are brands of AGC.

1-24-2012

800-766-0660

SALES@AIRLOUVERS.COM