

Fire-Rated & CAT II 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	Pyran Platinum F PPF
Pyran® Platinum F PPF	Pyran Platinum F PPF	Pyran Platinum F PPF	Pyran Platinum F PPF	KeraShield KFRE
KeraShield™ KFRF	KeraShield KFRF	KeraShield KFRF	KeraShield KFRF	KeraShield KFRU
PyroGlasShield™ PYRO	KeraShield KFRU	KeraShield KFRU	KeraShield KFRU	KeraShield KFRU
	KeraShield KFRU	KeraShield KFRU	KeraShield KFRU	
	ContraShield™ 45 CONTRA45	ContraShield 60 CONTRA60	ContraShield 90 CONTRA90	

See Individual Data Sheet for Complete Information on Fire-Ratings Before Ordering



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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.ACTIVARCPG.COM/AIR-LOUVERS

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 ACPG WEST COAST & AIR LOUVERS MFG: COMMERCE, CA WAREHOUSES: CHICAGO IL, ATLANTA GA, LANCASTER PA, SEATTLE WA, FORT MYERS FL, DALLAS TX, OMAHA NE, FARGO ND

Fire-Rated & Safety-Rated Glass Comparison Chart - See Catalog for Complete Listing Information



PRODUCT:	WireShield	PyroGlasShield	Pyran®Platinum F	KeraShield FRF	KeraShield FRL	KeraShield FRU	ContraShield45	ContraShield 60	ContraShield 90
Product Code:	WS	PYRO	PPF	KFRF	KFRL	KFRU	CONTRA45	CONTRA60	CONTRA90
Fire Rating	90 Minutes	20 Minutes	3 Hour	3 Hour	3 Hour	3 Hour	45 Minutes	60 Minutes	90 Minutes
Maximum Exposed Glazing Area For Doors Only Non Temp Rise	20-45 Minute with Standard Glazing Tape: 1,296 in ² max width 54" max height 54" 45 Minute Steel with FGS3000S90 Glazing Tape: 2,856 in ² , max width 34" max height 84" 60 Minute Wood with FGS3000S90 Glazing Tape: 960 in ² max width 12" max height 80" 60-90 Minute Steel with FGS3000S90 Glazing Tape: 552 in ² , max width 12" max height 46"	20 Minute: 3,419 in ² , max width: 47-1/2" max height 95-1/2"	20-90 Minute: 2,736 in ² , max width 36" max height 76" 3 Hour 100 in ² , max width 12" max height 33"	45-60 Minute: 3,627 in ² , max width 46" max height 76" 90 Minute: 3,534 in ² , max width 46" max height 76" 3 Hour 100 in ² , max width 10" max height 33"	45-60 Minute: 3,627 in ² , max width 46 1/2" max height 78" 90 Minute: 3,534 in ² , max width 46 1/2" max height 78" 3 Hour 100 in ² , max width 10" max height 33"	45-90 Minute: 2,736 in ² , max width 46 1/2", max height 75" 3 Hour 100 in ² , max width 10" max height 33" See data sheet before ordering widths smaller than 7"	45 Minute: 3,419 in ² , max width 35-13/16" max height 94-1/2"	60 Minute: 2,685 in ² , max width 30", max height 89 1/2"	90 Minute Steel Door: 3,174 in ² , max width 35-3/4", max height 88-9/16"
NT Door Rating in Rated Frame	Yes	--	Yes	Yes 60 & 90	Yes 60 & 90	Yes 60 & 90	Yes	Yes	Yes
Thickness	1/4" (6 mm)	1/4" (6 mm)	3/16" (5mm)	3/16" (5mm)	5/16" (8mm)	3/4" (17mm)	3/4" (18 mm)	1" (25mm)	1 7/16" (37mm)
Listing	UL	UL	UL or WHI (request)	UL	UL	UL	UL	UL	UL
Safety Rating	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	No	No	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™, Protect3™	Fireglass® 20, Firesafe® 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, Contraflam®45	Superlite® II-XL 60, Pyrobel 60, Pyro Stop®, Contraflam® 60	Superlite® II-XL 90, Pyro Stop®, Contraflam® 90, Pyrobel 90
STC Rating	--	32	31	35	37	38	39	40	45
Air Louvers Lite Kit*	VLF, VLFEZ, VSL	VLF,VLFEZ, VSL	VLF,VLFEZ, VSL	VLF,VLFEZ, VSL	VLFIG,VLFEZIG, VSIG, VLFS10	VLFIG,VLFEZIG, VSIG, VLFS10	VLFIG,VLFEZIG, VSIG, VLFS10	VLF-IG,VLFEZIG, VSIG, VLFS10	VLFIG, VLFS10

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

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