



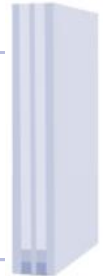
**Fire & CAT II Impact-Rated Clear Laminated Glass that and has Excellent Sound-Reduction Properties.
 Provides up to a 3 Hour Fire Rating Blocking Fire & Smoke with an STC of 38.
 The Only Glass Ceramic Available that Meets NFPA80/UL10C Requirements for
 60-90 Minute Temp Rise Doors in Sizes Up to 2,736 Square Inches.**

KFRU SPECIFICATIONS:

Description:	Two lites of tempered or laminated safety glass enclosing intumescent interlayers divided by a glass ceramic pane.
Thickness:	11/16" (17.4 mm)
Weight:	7.5 lbs. per sq. ft
Light Transmission:	≈ 79%
STC:	38
U-Value:	.79
Warranty:	Five year limited warranty
Fabricated:	USA
Options at Additional Cost:	<input type="checkbox"/> Etched for obscure effect. <input type="checkbox"/> Exterior glazing option.
Size:	Minimum size 6" x 6" Height based on maximum exposed glazing area listed below in chart.

LISTINGS & RATINGS:

This product is classified by Underwriters Laboratories for fire-and impact resistance only.
US Listing: UL9, UL10B, UL 10C, NFPA 80, NFPA252, NFPA257
Canada Listing: CAN/ULC-S106, S104.
Impact Safety Rating: CPSC 16CFR 1201 (CAT I & II), CAN/CGSB-12.1-M, ANSI Z97.1.
Listing: Up to 3 hours with hose stream test.
Positive Pressure Rating: UL10C



LABELING:



Each lite of KeraShield FRU will be permanently labeled, in accordance with NFPA 80, with the product and manufacturer's name, testing laboratory, fire rating period and safety glazing standards.

INSTALLATION:

Use glazing compound or glazing tape on both sides of glass, install in an appropriately-listed and labeled vision frame. Certain optical and visual imperfections are inherent in the production process. These characteristics may be evaluated according to the manufacturer's quality standards but do not impair the transparency or affect the performance of the glass in case of fire, and shall not be considered cause for rejection.

Air Louvers frames for KFRU: VLFIG, VLFEZIG, VSIG, VLFS10

Assembly	Time Rating (minute)	Maximum Exposed Glazing Area	Maximum Width Exposed Area*	Maximum Height Exposed Area*	Building Code Marking
Transom, Window, Sidelite	45	2736 in ²	60-1/4"	76"	D-H-NT-45, OH-45
Door-Non Temp-Rise & Temp-Rise	45-60	2736 in ²	46-1/2"	76"	D-H-T-45 (or 60)
Transom, Window, Sidelite	45-60	2736 in ²	60-1/4"	76"	D-H-NT-45, OH-60
Door-Non Temp-Rise & Temp-Rise	90	2736 in ²	46-1/2"	76"	D-H-T-90
Transom, Window, Sidelite	90	2736 in ²	60-1/4"	76"	D-H-NT-90, OH-90
Door- Temp-Rise	3 hr	100 in ²	10"	33"	D-H-T-180

* Please note that combined height and width cannot exceed the maximum exposed glazing area measurement.

Order Format: KFRU ____ (W) ____ (H)-1116 Example: KFRU 1212-1116 Note: Order Size is Actual Glass Size

Interpretation of Fire and Building Codes May Vary. Consult with the Local Authority Having Jurisdiction (AHJ) to determine appropriate standards.

 <small>© 2019 ACTIVAR CONSTRUCTION PRODUCTS GROUP, INC.</small>	Distributor: _____	Width: _____ x Height: _____
	Architect: _____	Quantity: _____
	Contractor: _____	
	Project: _____	Date: _____ Version: ALPDS1901
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