



**Fire & CAT II Impact-Rated Clear Laminated Glass that Reduces Radiant Heat Transfer and has Excellent Sound-Reduction Properties. Provides up to a 3 Hour fire Rating for Doors.**

**KFRFU SPECIFICATIONS:**

<b>Description:</b>	Two lites of clear ceramic fire-resistant safety glass laminated together.
<b>Thickness:</b>	3/4" (18mm)
<b>Weight:</b>	6.0 lbs. per sq. ft
<b>Light Transmission:</b>	83% approximately
<b>Warranty:</b>	Five year limited warranty
<b>Fabricated:</b>	USA
<b>Options at Additional Cost:</b>	Can be lightly etched or sandblasted
<b>Size:</b>	Minimum size 12" diagonal. Maximum sheet size 46-1/2" x 76"

**LISTINGS & RATINGS:**

Fire rating listed and tested by ITS/Warnock Hersey or Underwriters Laboratories, for fire rating scheduled at opening locations in drawings when **Tested in accordance with: (ASTM E-163) (ASTM E-152), (NFPA 252 & 257). With Hose Stream.**

**Impact Safety Rating:** ANSI Z97.1 & CPSC 16CFR 1201 (CAT I & II)

**Positive Pressure Rating:** UL10C/UBC 7-2/UBC 7-4

**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**

**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.

Assembly	Time Rating (minute)	Maximum Exposed Area	Maximum Width Exposed Area*	Maximum Height Exposed Area*
Door - Non Temp Rise	20-90	2,736in <sup>2</sup>	46"	76"
Transom, Window, Sidelite	20-45	2,736 in <sup>2</sup>	60-1/4"	76"
Door - Temp Rise	60-90	100 in <sup>2</sup>	10"	33"
Door - Non Temp Rise & Temp Rise	3 hr	100 in <sup>2</sup>	10"	33"
Transom, Window, Sidelite	60-90	2736 in <sup>2</sup>	46-1/2"	76"

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

**Order Format: KFRU \_\_\_\_ (W) \_\_\_\_ (H) Example: KFRU1212**

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

	<b>Distributor:</b> _____	<b>Width:</b> ____ <b>x Height:</b> ____
	<b>Architect:</b> _____	<b>Quantity:</b> _____
	<b>Contractor:</b> _____	<b>Fire Rating:</b> <u>  20  </u> <u>  60  </u> <u>  90  </u> <u>  3HR  </u>
	<b>Project:</b> _____	<b>Date:</b> _____ <b>Version:</b> ALSPDS1001

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