



Meets IBC 2012 CAT II Human Impact Safety Standards Plus Carries a 20-90 Minute Fire Rating

### WS SPECIFICATIONS:

<b>Description:</b>	Annealed single glazing with safety film applied to one side & embedded 3/4 x 3/4" wire mesh.
<b>Thickness:</b>	1/4" (6 mm)
<b>Weight:</b>	3.0 lbs/sq. ft.
<b>Film:</b>	7 mil Safety Film
<b>Fabricated:</b>	North America
<b>Warranty:</b>	3 year limited warranty
<b>Wire Pattern:</b>	Diamond (diagonal)
<b>Size:</b>	Minimum 4" x 4", max. sheet size 48" x 96"
<b>Options at Additional Cost:</b>	Baroque (horizontal)

### LISTINGS & RATINGS:

This product is classified by Underwriters Laboratories and UL Listing #14220, for fire-resistance.

**Tested in accordance with:** UL 9, UL 10B, ANSI/UL 10C; NFPA 80, NFPA 252, NFPA 257; ASTM E2074, E152, E163, E2010-01; ULC CAN4-S104 & CAN4-S106.

**Listing:** Up to 90 minutes with hose stream test.

**Impact Safety Rating:** CPSC 16CFR 1201 (CAT I & II)

**Positive Pressure Rating:** UL10C

### LABELING:



Fire-Protection Rated Glazing Material Fire Tested under Neutral/Positive Pressure in Accordance with ANSI/UL 9, ANSI/UL10B, ANSI/UL10C  
SEE UL Fire Resistance Directory  
Marked with Either D-H-NT-45 OR D-H-NT-90 Per Chart Below.

**Note:** Glazing is labeled in accordance with exposed dimensions when installed in Air Louvers, Inc. VSL or VLFEZ vision kit.

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 VLF, VLFEZ, VSL (Slimline)**

Assembly	Time Rating (minutes)	Max Exposed Glazing Area	Max Exposed Width *	Maximum Exposed Height*	Building Code Marking	Glazing Tape
Doors & Windows	20-45	1296 in <sup>2</sup>	54"	54"	D-H-NT-20, (OR 45) OH-45	Standard
Transoms	45	3456 in <sup>2</sup>	96"	36"	D-H-NT-45	Use FGS3000S90 Glazing Tape
Doors- Steel	45	2856 in <sup>2</sup>	34"	84"	D-H-NT-45	
Sidelites & Windows	45	4608 in <sup>2</sup>	48"	95"	OH-45, D-H-NT-45	
Doors- Wood	90	100 in <sup>2</sup>	12"	33"	D-H-NT-90	Standard
Doors-Metal	90	552 in <sup>2</sup>	12"	46"	D-H-NT-90	FGS3000S90

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

**STOCK ITEM - THIS ITEM IN STOCK FOR NEXT DAY SHIPMENT IN MANY STANDARD SIZES FROM CA AND MN WAREHOUSES**

**Order Format: WS \_\_\_\_ (W) \_\_\_\_ (H)-14 Example: WS 1212-14 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.

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	<b>Architect:</b>	
	<b>Contractor:</b>	
	<b>Project:</b>	

**MFG:** COMMERCE CA, BLOOMINGTON, MN **WAREHOUSES:** LANCASTER PA, ATLANTA GA, CHICAGO IL, SEATTLE WA, FORT MYERS FL, DALLAS TX, FARGO ND, OMAHA NE