

Fire Windows and Doors

Exterior Window System Size Constraints							
Window Type	Rating (minutes)	Maximum Frame Size	Maximum Vent Opening	Maximum Firelite Size	Max. Glass Dimension	Max. Wire Glass Size (2)	Max. Wire Glass Dimension (3)
Fixed	90	36" x 59 1/2"	NA	858 Sq. In.	32 1/4"	NA	NA
		47 1/2" x 47 1/2"		902 Sq. In.	43 7/8"		
	60	71 1/2" x 144" (4)		1816 Sq. In.	55 7/8"	1612 Sq. In. (1)	55 7/8"
		49 1/2" x 144" (4)		2354 Sq. In.	73"		55 7/8"
	45	168" x 59 1/2" (4)					73"
		71 1/2" x 120" (4)					
Horizontal Sliding	90	47 1/2" x 47 1/2"	33 1/4" x 43 1/4"	902 Sq. In.	43 7/8"	NA	NA
	60/45	168" x 59 1/2"	33 1/4" x 55 1/4"	1816 Sq. In.	55 7/8"	1612 Sq. In. (1)	43 7/8"
		71 1/2" x 120"					
Single Hung	90	36" x 59 1/2"	32 1/4" x 26 3/4"	858 Sq. In.	32 1/4"	NA	NA
	60/45	59 1/2" x 144"	43 3/4" x 32 5/8"	1816 Sq. In.	43 3/4"	1612 Sq. In. (1)	55 7/8"
		45	59 1/2" x 144"	32 1/4" x 32 5/8"	2354 Sq. In.		73"

- (1) These lite sizes require the use of Pemko FG3000 glazing tape.
- (2) The maximum wire glass size allowed with standard glazing tape is 1296 square inches.
- (3) The maximum glass dimension for wire glass using standard glazing tape is 54".
- (4) These dimensions can be either horizontal or vertical.
- (5) Muller frames over 99" will have a 1 5/8" face dimension.

Window System Variables
1. Windows with 1/4" glass to have a minimum 4 1/4" frame depth.
2. Windows with insulated glass units to have a minimum 4 3/4" frame depth.
3. Standard face dimension is 1 1/4".
4. Mullioned frames over 99" will have a minimum 1 5/8" face dimension.
5. All dimensions may be increased to generate custom profiles.
6. Overall assemblies for 45 or 60 minute frames shall not exceed 168" x 99" or 99" x 168" for a 4 1/4" deep frames with 1 1/4" face.
7. Overall assemblies for 45 minute frames shall not exceed 132" x 120" or 120" x 132" for a 4 1/4" deep frame with 1 5/8" face.

All windows tested in accordance with UL 10C, UBC 7-2, and UBC 7-4.

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