



Serving all of Southern California

Call Us (661) 295-5930

7100V Series Windows

Structural	Horizontal Slider	Horizontal Slider	Single Hung (SH)	Fixed (OP)
Structural Rating	108 x 56 = LC - PG 25	108 x 72 = R -PG 15	H-LC-PG 30	FW-R35
Design Pressure	1200 Pa (25.06 psf)	720 Pa (15.04 psf)	1440 Pa (30.08 psf)	1680 Pa (35.09psf)
Operating Force	31.13 (7.00 lbf)	31.13 (7.00 lbf)	111.2 N (25.00 lbf)	N/A
Air Infiltration	.55 L/s/m2 (0.11 cfm/ft2)	.50 L/s/m2 (0.10 cfm/ft2)	.95 L/s/m2 (0.19 cfm/ft2)	0.05 L/s/m ² (0.01 cfm/ft ²)
Water Penetration Resistance Test Pressure	220 Pa (4.59 psf)	180 Pa (3.76 psf)	220 Pa (4.59 psf)	260 Pa (5.43 psf)
Uniform Load Structural Test Pressure	1800 Pa (37.59 psf)	1080 Pa (22.56 psf)	2160 Pa (45.11 psf)	2520 Pa (52.63 psf)
Forced Entry Resistance	ASTM F588-14 Type A CAWM 301-90 Type I	ASTM F588-14 Type A CAWM 301-90 Type I	ASTM F588-14 Type A CAWM 30 301-90 Type I	ASTM F 588-14 Type A Grade 10 CAWM 301-90 Type I

Thermal

Glass Selection	Horizontal Slider			Horizontal Slider			Single Hung (SH)			Fixed (OP)				
	U-factor	SHGC (No grids)	SHGC (5/8 flat grids)	SHGC (1" sculptured grids)	VT (No grids)	VT (5/8 flat grids)	VT (1" sculptured grids)	U-factor	SHGC (No grids)	SHGC (5/8 flat grids)	SHGC (1" sculptured grids)	VT (No grids)	VT (5/8 flat grids)	VT (1" sculptured grids)
Grand	.30	.20	.18	.18	.44	.39	.39	.30	.20	.18	.18	.44	.39	.39
Royal	.29	.20	.18	.18	.44	.39	.39	.29	.20	.18	.18	.44	.39	.39
Stellar	.27	.19	.17	.17	.42	.38	.38	.27	.19	.17	.17	.42	.38	.38

Sound

Glass Selection	Horizontal Slider			Horizontal Slider			Single Hung (SH)			Fixed (OP)		
	STC	OITC	EWR	STC	OITC	EWR	STC	OITC	EWR	STC	OITC	EWR
SS /SS	29	23	29	29	23	29	28	23	29	29	24	29
DS / DS	31	25	32	31	25	32	31	25	31	30	25	31
6mm/ DS	33	29	35	33	29	35	34	29	35	35	28	35