



SERIES 7000 PERFORMANCE DATA

ACOUSTICAL AND THERMAL PERFORMANCE BY GLASS CONFIGURATION

Model	Glass Configuration	STC	EWR	OITC	U-Factor*		SHGC (clear)		SHGC (grids)	
					272 Low E	366 Low E	272 Low E	366 Low E	272 Low E	366 Low E
7000 Horizontal Slider	1/8-1/8-1/8	40	39	29	0.21	0.21	0.29	0.19	0.26	0.17
	1/8-1/8-3/16	42	40	28	0.21	0.21	0.29	0.19	0.26	0.17
	3/16-1/8-3/16	46	46	32	0.21	0.20	0.29	0.19	0.26	0.17
	1/4 Lami-1/8-3/16	47	46	32	0.20	0.20	0.32	0.26	0.29	0.23
7100 Single Hung	1/8-1/8-1/8	40	39	28	0.21	0.21	0.29	0.19	0.26	0.17
	1/8-1/8-3/16	43	42	29	0.21	0.21	0.29	0.19	0.26	0.17
	3/16-1/8-3/16	46	45	29	0.21	0.20	0.29	0.19	0.26	0.17
	1/4 Lami-1/8-3/16	47	46	31	0.20	0.20	0.32	0.26	0.29	0.23
	1/4 Lami-1/8-1/4 Lami	48	47	33	0.20	0.20	0.32	0.26	0.29	0.23
7200 Picture Window	1/8-1/8-1/8	40	38	25	0.20	0.19	0.33	0.20	0.30	0.20
	1/8-1/8-3/16	44	43	31	0.20	0.19	0.33	0.20	0.30	0.20
	3/16-1/8-3/16	46	45	32	0.20	0.19	0.33	0.20	0.30	0.20
	1/4 Lami-1/8-3/16	47	46	34	0.19	0.18	0.38	0.30	0.30	0.20
	1/4 Lami-1/8-1/4 Lami	48	47	38	0.19	0.18	0.38	0.30	0.30	0.20

*Reported performance includes argon gas filled IG units. Performance may vary depending upon spacer type, gas filling and glass coating used.
Contact your Atrium representative for details.

UNIFORM STRUCTURAL LOAD, WATER RESISTANCE, AIR INFILTRATION AND FORCED ENTRY RATINGS

Model	Rating	Max. Size Tested	Structural Load Test Pressure	Water Resistance Test Pressure	Air Infiltration	Forced Entry
7000 Horizontal Slider*	HS-DW-LC-30 (DP 30)	72" x 60"	45.11 psf	4.59 psf	<0.01 cfm/ft ²	Grade 10 - No Entry
7100 Single Hung**	H-DW-LC-35 (DP 35)	48" x 72"	82.71 psf	5.43 psf	0.05 cfm/ft ²	Grade 10 - No Entry
7200 Picture Window	F-DW-LC-50 (DP 50)	72" x 72"	50.13 psf	7.52 psf	<0.01 cfm/ft ²	Grade 10 - No Entry

*This product also available in XOX, 3-lite configuration up to 96" x 60". Performance may vary. Contact your Atrium representative for details.

**This product also available in multi-lite configurations up to 89" x 75" overall size. Performance may vary. Contact your Atrium representative for details.

SERIES 9000 PERFORMANCE DATA

ACOUSTICAL AND THERMAL PERFORMANCE BY GLASS CONFIGURATION

Model	Glass Configuration	STC	EWR	OITC	U-Factor*		SHGC (clear)		SHGC (grids)	
					272 Low E	366 Low E	272 Low E	366 Low E	272 Low E	366 Low E
9000 Horizontal Slider	1/8-1/8	31	32	25	0.32	0.28	0.32	0.21	0.29	0.19
	1/8-3/32	32	31	26	0.30	0.28	0.32	0.21	0.29	0.19
	3/16-1/8	33	35	28	0.32	0.28	0.32	0.21	0.28	0.19
	1/4-3/16	35	37	31	0.31	0.28	0.37	0.30	0.34	0.27
9000 Single Hung	1/8-1/8	31	32	26	0.30	0.28	0.32	0.21	0.29	0.19
	3/16-1/8	34	36	30	0.32	0.28	0.32	0.21	0.29	0.19
	1/4-1/8	33	35	29	0.31	0.28	0.38	0.30	0.34	0.27
	1/4 Lami-3/16	35	37	32	0.31	0.29	0.37	0.29	0.33	0.26
9000 Picture Window	1/8-1/8	29	29	23	0.29	0.26	0.36	0.24	0.33	0.22
	1/8-3/32	30	30	25	0.27	0.26	0.36	0.34	0.33	0.22
	3/16-1/8	33	33	28	0.29	0.26	0.36	0.24	0.32	0.22
	1/4 Lami-3/16	36	37	31	0.28	0.25	0.41	0.33	0.37	0.30

*Reported performance includes argon gas filled IG units. Performance may vary depending upon spacer type, gas filling and glass coating used.
Contact your Atrium representative for details.

UNIFORM STRUCTURAL LOAD, WATER RESISTANCE, AIR INFILTRATION AND FORCED ENTRY RATINGS

Model	Rating	Max. Size Tested	Structural Load Test Pressure	Water Resistance Test Pressure	Air Infiltration	Forced Entry
9000 Horizontal Slider*	HS-LC30 (DP 30)	72" x 60"	30.08 psf	4.59 psf	0.05 cfm/ft ²	Grade 10 - No Entry
9000 Single Hung**	H-LC40 (DP 40)	48" x 72"	40.10 psf	6.06 psf	0.05 cfm/ft ²	Grade 10 - No Entry
9000 Picture Window**	FW - C45	96" x 60"	45.11 psf	15.04 psf	<0.01 cfm/ft ²	Grade 10 - No Entry

*This product also available in XOX, 3-lite configuration up to 132" x 60". Performance may vary. Contact your Atrium representative for details.

**Additional sizes and multi-lite configurations are available. Performance may vary. Contact your Atrium representative for details.



SERIES 700 PERFORMANCE DATA

ACOUSTICAL AND THERMAL PERFORMANCE BY GLASS CONFIGURATION

Model	Glass Configuration	STC	EWR	OITC	U-Factor*		SHGC (clear)		SHGC (grids)	
					272 Low E	366 Low E	272 Low E	366 Low E	272 Low E	366 Low E
720CS Casement	3/16-1/8	33	32	27	0.28	0.27	0.26	0.21	0.24	0.21
720AW Awning	3/16-1/8	33	32	27	0.31	0.30	0.31	0.23	0.22	0.19

*Reported performance includes argon gas filled IG units. Performance may vary depending upon spacer type, gas filling and glass coating used. Contact your Atrium representative for details.

UNIFORM STRUCTURAL LOAD, WATER RESISTANCE, AIR INFILTRATION AND FORCED ENTRY RATINGS

Model	Rating	Max. Size Tested	Structural Load Test Pressure	Water Resistance Test Pressure	Air Infiltration	Forced Entry
720 Casement*	C-R-55 (DP 55)	36" x 72"	82.76 psf	10.65 psf	<0.01 cfm/ft ²	Grade 10 - No Entry
720 Awning*	AP-C-40 (DP 40)	48" x 32"	60.00 psf	7.50 psf	0.03 cfm/ft ²	Grade 10 - No Entry

*Additional sizes and multi-lite configurations are available. Performance may vary. Contact your Atrium representative for details.



INDUSTRY STANDARDS REFERENCES

Atrium Windows and Doors tests its acoustical products in accordance with the requirements of AAMA/NWWDA 101/I.S.-2 and under the requirements of ASTM, NFRC, and CMBSO/CAWM Industry Standards as follows:

Acoustical Performance: ASTM E90, ASTM E413 and ASTM E1332

Structural Performance: ASTM E330

Air Infiltration: ASTM E283

Thermal Performance: NFRC 400

Water Resistance: ASTM E547

Forced Entry: ASTM F588 & CAWM 301

Detailed information on test methods and reporting procedures is available upon request. The information contained in this publication is subject to modification, correction or update without notice.