

**SERIES 7000 PERFORMANCE DATA**

**ACOUSTICAL AND THERMAL PERFORMANCE BY GLASS CONFIGURATION**

Model	Glazing Configuration	STC	EWR	OITC	U-Factor				SHGC (clear)		SHGC (grids)		VLT (clear)		VLT (grids)	
					272 Low E		366 Low E		272 Low E	366 Low E	272 Low E	366 Low E	272 Low E	366 Low E	272 Low E	366 Low E
					Air	Argon	Air	Argon								
7000 Horizontal Slider	1/8-1/8-1/8	40	39	29	0.23	0.21	0.22	0.21	0.29	0.19	0.26	0.17	0.50	0.45	0.45	0.40
	1/8-1/8-3/16	42	40	28	0.23	0.21	0.22	0.21	0.29	0.19	0.26	0.17	0.50	0.45	0.44	0.40
	3/16-1/8-3/16	46	46	32	0.23	0.21	0.22	0.20	0.29	0.19	0.26	0.17	0.49	0.44	0.44	0.39
	1/4 Lami-1/8-3/16	47	46	32	0.22	0.20	0.22	0.20	0.32	0.26	0.29	0.23	0.48	0.43	0.43	0.39
7100 Single Hung	1/8-1/8-1/8	40	39	28	0.23	0.21	0.23	0.21	0.29	0.19	0.26	0.17	0.50	0.45	0.45	0.40
	1/8-1/8-3/16	43	42	29	0.23	0.21	0.23	0.21	0.29	0.19	0.26	0.17	0.50	0.45	0.44	0.40
	3/16-1/8-3/16	46	45	29	0.23	0.21	0.22	0.20	0.29	0.19	0.26	0.17	0.49	0.44	0.44	0.39
	1/4 Lami-1/8-3/16	47	46	31	0.22	0.20	0.22	0.20	0.32	0.26	0.29	0.23	0.48	0.43	0.43	0.39
	1/4 Lami-1/8-1/4 Lami	48	47	33	0.22	0.20	0.22	0.20	0.32	0.26	0.29	0.23	0.47	0.42	0.42	0.38
7500 Casement	1/8-1/8-1/8	40	39	30	0.20	0.19	0.20	0.18	0.21	0.14	0.19	0.13	0.35	0.31	0.31	0.28
	1/8-3/16-3/16	42	42	35	0.20	0.18	0.19	0.18	0.20	0.14	0.18	0.13	0.34	0.30	0.30	0.27
	3/16-1/8-1/4 Lami	42	44	37	0.20	0.18	0.20	0.18	0.20	0.14	0.18	0.12	0.34	0.30	0.30	0.27
	1/4 Lami-1/8-3/16	43	44	36	0.20	0.18	0.19	0.18	0.23	0.18	0.21	0.16	0.34	0.30	0.30	0.27
	1/4 Lami-1/8-1/4 Lami	44	45	37	0.20	0.18	0.19	0.18	0.23	0.18	0.20	0.16	0.33	0.30	0.30	0.27
7600 Awning	1/8-1/8-1/8	39	39	31	0.20	0.19	0.20	0.18	0.21	0.14	0.19	0.13	0.35	0.31	0.31	0.28
	3/16-1/8-1/4	44	45	37	0.20	0.18	0.19	0.18	0.20	0.14	0.18	0.13	0.34	0.30	0.30	0.27
	3/16-1/8-1/4 Lami	42	43	36	0.20	0.18	0.19	0.18	0.20	0.14	0.18	0.12	0.34	0.30	0.30	0.27
7200 Picture Window	1/8-1/8-1/8	40	38	25	0.22	0.20	0.22	0.20	0.29	0.19	0.27	0.18	0.50	0.45	0.45	0.40
	1/8-1/8-3/16	44	43	31	0.22	0.20	0.22	0.20	0.29	0.19	0.26	0.18	0.50	0.45	0.44	0.40
	3/16-1/8-3/16	46	45	32	0.22	0.20	0.22	0.19	0.29	0.19	0.26	0.18	0.49	0.44	0.44	0.39
	1/4 Lami-1/8-3/16	47	46	34	0.22	0.19	0.21	0.19	0.32	0.26	0.29	0.23	0.48	0.43	0.43	0.39
	1/4 Lami-1/8-1/4 Lami	48	47	38	0.22	0.19	0.21	0.19	0.32	0.26	0.29	0.23	0.47	0.42	0.42	0.38

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

Model	Rating	Maximum Size Tested	Structural Load Test Pressure	Water Resistance Test Pressure	Air Infiltration	Forced Entry
7000 Horizontal Slider*	HS-DW-C-30 (DP 30)	72" x 60"	45.11 psf	4.59 psf	<0.01 cfm/ft <sup>2</sup>	Grade 10 - No Entry
7100 Single Hung**	H-DW-LC-35 (DP 35)	48" x 78"	52.63 psf	5.43 psf	0.05 cfm/ft <sup>2</sup>	Grade 10 - No Entry
7500 Casement	C-C-55 (DP 55)	36" x 72"	82.71 psf	8.35 psf	0.02 cfm/ft <sup>2</sup>	Grade 10 - No Entry
7600 Awning	AP-C-55 (DP55)	48" x 36"	82.71 psf	9.19 psf	<0.01 cfm/ft <sup>2</sup>	Grade 10 - No Entry
7200 Picture Window	F-DW-C-30 (DP 30)	72" x 72"	45.11 psf	7.52 psf	<0.01 cfm/ft <sup>2</sup>	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.

## 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.