



SERIES 8000 PERFORMANCE DATA

ACOUSTICAL AND THERMAL PERFORMANCE BY GLASS CONFIGURATION

Model	Glass 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
8000 Horizontal Slider	1/8-1/8	29	29	22	0.31	0.30	0.34	0.22	0.31	0.20	0.59	0.53	0.52	0.47
	3/16-1/8	34	35	28	0.31	0.30	0.34	0.22	0.30	0.20	0.58	0.52	0.52	0.47
8100 Single Hung	1/8-1/8	29	29	23	0.30	0.30	0.34	0.22	0.31	0.20	0.59	0.53	0.52	0.47
	3/16-1/8	33	35	27	0.30	0.30	0.34	0.22	0.31	0.20	0.59	0.53	0.52	0.47
	1/4-1/8	34	35	28	0.30	0.30	0.38	0.22	0.35	0.20	0.51	0.52	0.51	0.46
	1/4-3/16	34	36	29	0.30	0.30	0.38	0.22	0.34	0.20	0.50	0.52	0.51	0.46
	1/4 Lami-3/16	35	37	31	0.31	0.31	0.27	0.22	0.24	0.20	0.48	0.51	0.47	0.42
8200 Picture Window	1/8-1/8	28	28	22	0.28	0.27	0.36	0.24	0.33	0.22	0.63	0.57	0.57	0.51
	3/16-1/8	32	32	26	0.28	0.27	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	1/4-1/8	33	33	27	0.28	0.27	0.39	0.27	0.36	0.22	0.57	0.55	0.55	0.50
	1/4-3/16	34	35	29	0.28	0.27	0.39	0.27	0.35	0.22	0.56	0.55	0.55	0.50
	1/4 Lami-3/16	36	36	28	0.26	0.26	0.32	0.24	0.29	0.22	0.59	0.54	0.53	0.49

*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
8000 Horizontal Slider*	HS-LC-25 (DP 25)	72" x 72"	37.50 psf	3.75 psf	0.08 cfm/ft ²	Grade 20 - No Entry
8100 Single Hung**	H-LC-30 (DP 30)	56" x 91"	45.00 psf	4.5 psf	0.03 cfm/ft ²	Grade 20 - No Entry
8200 Picture Window**	F-C-40 (DP 40)	96" x 72"	60.00 psf	12.00 psf	<0.01 cfm/ft ²	Grade 20 - 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.

**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.