

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	Air	Argon	Air	Argon	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 ²	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 ²	Grade 10 - No Entry
7500 Casement	C-C-55 (DP 55)	36" x 72"	82.71 psf	8.35 psf	0.02 cfm/ft ²	Grade 10 - No Entry
7600 Awning	AP-C-55 (DP55)	48" x 36"	82.71 psf	9.19 psf	<0.01 cfm/ft ²	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 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 8000 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								
8000 Horizontal Slider	1/8-1/8	29	29	22	0.35	0.29	0.34	0.28	0.34	0.22	0.30	0.20	0.58	0.52	0.52	0.47
	3/16-1/8	34	35	28	0.35	0.29	0.34	0.28	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	0.35	0.29	0.31	0.28	0.34	0.22	0.30	0.20	0.58	0.52	0.52	0.47
	3/16-1/8	33	35	27	0.34	0.29	0.31	0.28	0.34	0.22	0.30	0.20	0.58	0.52	0.52	0.47
	1/4-1/8	34	35	28	0.34	0.29	0.31	0.28	0.34	0.22	0.30	0.20	0.58	0.52	0.52	0.47
	1/4-3/16	34	36	29	0.34	0.29	0.31	0.28	0.34	0.22	0.30	0.20	0.58	0.52	0.52	0.47
	1/4 Lami-3/16	35	37	31	0.34	0.29	0.31	0.28	0.34	0.22	0.30	0.20	0.58	0.52	0.52	0.47
8200 Picture Window	1/8-1/8	28	28	22	0.32	0.29	0.32	0.28	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	3/16-1/8	32	32	26	0.32	0.29	0.32	0.28	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	1/4-1/8	33	33	27	0.32	0.29	0.32	0.28	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	1/4-3/16	34	35	29	0.32	0.29	0.32	0.28	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	1/4 Lami-3/16	36	36	28	0.31	0.27	0.31	0.28	0.32	0.24	0.29	0.22	0.59	0.54	0.53	0.49

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
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	4.50 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.

SERIES 700 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								
720CS Casement	3/32-3/32	25		21	0.31	0.28	0.31	0.28	0.34	0.26	0.31	0.24	0.46	0.43	0.40	0.37
	1/8-1/8	28		22	0.31	0.28	0.31	0.28	0.33	0.26	0.30	0.24	0.44	0.41	0.40	0.37
	3/16-1/8	33	32	27	0.32	0.28	0.31	0.28	0.33	0.26	0.30	0.24	0.43	0.40	0.39	0.36
720AW Awning	3/32-3/32	26		21	0.34	0.30	0.31	0.28	0.28	0.26	0.26	0.24	0.46	0.43	0.40	0.37
	1/8-1/8	27		22	0.34	0.30	0.31	0.28	0.28	0.26	0.25	0.24	0.44	0.41	0.40	0.37
	3/16-1/8	33	32	27	0.34	0.30	0.31	0.28	0.28	0.26	0.25	0.24	0.43	0.40	0.39	0.36
720PW Picture Window	3/32-3/32	25		21	0.31	0.28	0.31	0.28	0.34	0.26	0.31	0.24	0.46	0.43	0.40	0.37
	1/8-1/8	27		22	0.31	0.28	0.31	0.28	0.33	0.26	0.30	0.24	0.44	0.41	0.40	0.37
	3/16-1/8	33	32	27	0.32	0.28	0.31	0.28	0.33	0.26	0.30	0.24	0.43	0.40	0.39	0.36

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
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
720PW Picture Window*	FW-R-55 (DP 55)	72" x 72"	82.71 psf	10.65 psf	<0.01 cfm/ft ²	Grade 10 - No Entry

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

MODEL 7400 SLIDING PATIO DOOR 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	Air	Argon	Air	Argon	Air	Argon	Air	Argon
7400 Sliding Patio Door*	1/4 Lami-5/16 Lami	38	38	32	0.34	0.31	0.34	0.31	0.29	0.20	0.26	0.18	0.49	0.45	0.43	0.39

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
7400 Sliding Patio Door*	SD-C-60 (DP 60)	96" x 96"	90.23 psf	9.19 psf	<0.01 cfm/ft ²	Grade 10 - No Entry

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

MODEL 8400 SLIDING PATIO DOOR 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	Air	Argon	Air	Argon	Air	Argon	Air	Argon
8400 Sliding Patio Door*	3/16-1/8	32	33	26	0.33	0.30	0.33	0.30	0.34	0.23	0.30	0.21	0.59	0.53	0.52	0.46
	1/4-1/8	33	34	27	0.33	0.30	0.33	0.30	0.34	0.23	0.30	0.21	0.59	0.53	0.52	0.46
	1/4 Lami-1/8	34	34	28	0.33	0.30	0.33	0.30	0.34	0.23	0.30	0.21	0.59	0.53	0.52	0.46
	1/4 Lami-1/4 Lami	35	36	29	0.33	0.30	0.33	0.30	0.34	0.23	0.30	0.21	0.59	0.53	0.52	0.46

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
8400 Sliding Patio Door*	SD-LC-25 (DP 25)	87" x 83"	37.50 psf	6.00 psf	0.10 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.