

## SERIES 7000 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
7000 Horizontal Slider	1/8-1/8-1/8	40	39	29	0.21	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	0.21	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	0.21	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	0.20	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	0.21	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	0.21	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	0.21	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	0.20	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	0.20	0.20	0.32	0.26	0.29	0.23	0.47	0.42	0.42	0.38
7200 Picture Window	1/8-1/8-1/8	40	38	25	0.20	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	0.20	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	0.20	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	0.19	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	0.19	0.19	0.32	0.26	0.29	0.23	0.47	0.42	0.42	0.38

\*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	Water Resistance	Air Infiltration	Forced Entry
7000 Horizontal Slider*	HS-DW-C-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	48" x 78"	52.63 psf	5.43 psf	0.05 cfm/ft <sup>2</sup>	Grade 10 - No Entry
7200 Picture Window	F-DW-C-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.

## 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	0.29	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	0.29	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	0.29	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	0.29	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	0.29	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	0.29	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	0.29	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	0.27	0.26	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	3/16-1/8	32	32	26	0.27	0.26	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	1/4-1/8	33	33	27	0.27	0.26	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	1/4-3/16	34	35	29	0.27	0.26	0.36	0.24	0.33	0.22	0.63	0.56	0.56	0.51
	1/4 Lami-3/16	36	36	28	0.26	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	Water Resistance	Air Infiltration	Forced Entry
8000 Horizontal Slider*	HS-LC-25	72" x 72"	37.50 psf	3.75 psf	0.08 cfm/ft <sup>2</sup>	Grade 20 - No Entry
8100 Single Hung**	H-LC-30	56" x 91"	45.00 psf	4.5 psf	0.03 cfm/ft <sup>2</sup>	Grade 20 - No Entry
8200 Picture Window**	F-C-40	96" x 72"	60.00 psf	12.00 psf	<0.01 cfm/ft <sup>2</sup>	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	Glass Configuration	STC			U-Factor*		SHGC (clear)		SHGC (grids)		VLT (clear)		VLT (grids)	
		EWR	OITC		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
720CS Casement	3/16-1/8	33	32	27	0.28	0.28	0.31	0.23	0.22	0.19	0.46	0.43	0.40	0.37
	3/16-1/8-1/8	39	37	28	0.28	0.27	0.23	0.19	0.21	0.18	0.44	0.41	0.40	0.37
	3/16-1/8-3/16	41	38	29	0.28	0.27	0.26	0.21	0.24	0.21	0.43	0.40	0.39	0.36
720AW Awning	3/16-1/8	33	32	27	0.28	0.28	0.31	0.23	0.22	0.19	0.46	0.43	0.40	0.37
	3/16-1/8-1/8	39	37	28	0.28	0.27	0.23	0.19	0.21	0.18	0.44	0.41	0.40	0.37
	3/16-1/8-3/16	41	38	29	0.28	0.27	0.26	0.21	0.24	0.21	0.43	0.40	0.39	0.36
720PW Picture Window	3/16-1/8	33	32	27	0.28	0.28	0.31	0.23	0.22	0.19	0.46	0.43	0.40	0.37
	3/16-1/8-1/8	39	37	28	0.28	0.27	0.23	0.19	0.21	0.18	0.44	0.41	0.40	0.37
	3/16-1/8-3/16	41	38	29	0.28	0.27	0.26	0.21	0.24	0.21	0.43	0.40	0.39	0.36

\*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	Water Resistance	Air Infiltration	Forced Entry
720 Casement*	C-R-55	36" x 72"	82.76 psf	10.65 psf	<0.01 cfm/ft <sup>2</sup>	Grade 10 - No Entry
720 Awning*	AP-C-40	48" x 32"	60.00 psf	7.50 psf	0.03 cfm/ft <sup>2</sup>	Grade 10 - No Entry
720PW Picture Window*	FW-R-55	72" x 72"	82.71 psf	10.65 psf	<0.01 cfm/ft <sup>2</sup>	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	Glass Configuration	STC			U-Factor*		SHGC (clear)		SHGC (grids)		VLT (clear)		VLT (grids)	
		EWR	OITC		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
7400 Sliding Patio Door*	1/4 Lami-5/16 Lami	38	38	32	0.31	0.31	0.29	0.20	0.26	0.18	0.49	0.45	0.43	0.39

\*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	Water Resistance	Air Infiltration	Forced Entry
7400 Sliding Patio Door*	SD-C-60	96" x 96"	90.23 psf	9.19 psf	<0.01 cfm/ft <sup>2</sup>	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	Glass Configuration	U-Factor*			SHGC (clear)		SHGC (grids)		VLT (clear)		VLT (grids)			
		STC	EWR	OITC	272 Low E	366 Low E	272 Low E	366 Low E	272 Low E	366 Low E	272 Low E	366 Low E		
8400 Sliding Patio Door*	3/16-1/8	32	33	26	0.28	0.28	0.34	0.23	0.30	0.21	0.59	0.53	0.52	0.46
	1/4-1/8	33	34	27	0.28	0.28	0.34	0.23	0.30	0.21	0.59	0.53	0.52	0.46
	1/4 Lami-1/8	34	34	28	0.28	0.28	0.34	0.23	0.30	0.21	0.59	0.53	0.52	0.46

\*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	Water Resistance	Air Infiltration	Forced Entry
8400 Sliding Patio Door*	SD-LC-25	87" x 83"	37.50 psf	6.00 psf	0.10 cfm/ft <sup>2</sup>	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.