



## 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
					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
	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
	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
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
	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
	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
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
	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
	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

### 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 <sup>2</sup>	Grade 10 - N
720 Awning*	AP-C-40 (DP 40)	48" x 32"	60.00 psf	7.50 psf	0.03 cfm/ft <sup>2</sup>	Grade 10 - N
720PW Picture Window*	FW-R-55 (DP 55)	72" x 72"	82.71 psf	10.65 psf	<0.01 cfm/ft <sup>2</sup>	Grade 10 - N

\*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.



grids)

366 Low E

0.37

0.37

0.36

0.37

0.37

0.36

0.37

0.37

0.36

y

lo Entry

lo Entry

lo Entry

