

Series 700 New Construction Windows Performance Data



THERMAL PERFORMANCE DATA

Window Series	Test Method	Glazing Type	U-Value	SHGC	Visible Light Transmittance	Energy Star Compliance
700 Casement	NFRC 100-97	Clear I.G.	0.44	0.56	0.58	
		LowE I.G.	0.32	0.28	0.52	yes
		LowE/Argon I.G.	0.29	0.28	0.52	yes
		Ultra LowE I.G.	0.32	0.26	0.46	yes
		Ultra LowE/Argon I.G.	0.28	0.26	0.46	yes
		Clear I.G. w/Grid	0.44	0.51	0.53	
		LowE I.G. w/Grid	0.32	0.26	0.47	yes
		LowE/Argon I.G. w/Grid	0.29	0.26	0.47	yes
		Ultra LowE I.G. w/Grid	0.32	0.24	0.42	yes
		Ultra LowE/Argon I.G. w/Grid	0.28	0.24	0.42	yes
		700 Awning	NFRC 100-97	Clear I.G.	0.44	0.56
LowE I.G.	0.32			0.28	0.52	yes
LowE/Argon I.G.	0.28			0.28	0.52	yes
Ultra LowE I.G.	0.31			0.26	0.46	yes
Ultra LowE/Argon I.G.	0.28			0.26	0.46	yes
Clear I.G. w/Grid	0.44			0.51	0.53	
LowE I.G. w/Grid	0.32			0.26	0.47	yes
LowE/Argon I.G. w/Grid	0.28			0.26	0.47	yes
Ultra LowE I.G. w/Grid	0.31			0.24	0.42	yes
Ultra LowE/Argon I.G. w/Grid	0.28			0.24	0.42	yes
700 Fixed Lite	NFRC 100-97			Clear I.G.	0.45	0.64
		LowE I.G.	0.31	0.32	0.59	yes
		LowE/Argon I.G.	0.27	0.32	0.59	yes
		Ultra LowE I.G.	0.31	0.30	0.53	yes
		Ultra LowE/Argon I.G.	0.27	0.30	0.53	yes
		Clear I.G. w/Grid	0.45	0.57	0.60	
		LowE I.G. w/Grid	0.31	0.29	0.53	yes
		LowE/Argon I.G. w/Grid	0.27	0.29	0.53	yes
		Ultra LowE I.G. w/Grid	0.31	0.27	0.47	yes
		Ultra LowE/Argon I.G. w/Grid	0.27	0.27	0.47	yes



Climate Region	U-Value	Solar Heat Gain Coefficient (SHGC)
Northern*	< = 0.30	No Requirement
North/Central	< = 0.32	< = 0.40
South/Central	< = 0.35	< = 0.30
Southern	< = 0.60	< = 0.27

*see alternatives



STRUCTURAL PERFORMANCE DATA

* Factory Muller Pair

** Optional Reinforced Sash

Window Series	Test Method	Window Size	Air Infiltration @ 25 MPH	Water Resistance	Structural Test Pressure	DP Rating
700 Casement	AAMA/WDMA/CSA 101/1.S.2/A440-05	24 x 60 *48 x 60 Twin	0.05	7.5 psf	75.00 psf	C-R50
700 Awning	AAMA/WDMA/CSA 101/1.S.2/A440-05	50 x 40	0.05	4.50 psf	37.50 psf	AP-LC25
700 Fixed Lite	AAMA/WDMA/CSA 101/1.S.2/A440-05	48 x 48	0.01	7.5 psf	75.00 psf	F-R50