

# Performance Ratings

The Clear Choice Is Crystal

ENERGY, ACOUSTIC & STRUCTURAL RATINGS

Revised 4/18/16

Energy Ratings		GLASS	U-Factor				SHGC				VT			
			SS	DS	DS-3/16	3/16	SS	DS	DS-3/16	3/16	SS	DS	DS-3/16	3/16
Vista	SLIDERS	LE3/Ar	0.31	0.30	-	-	0.22	0.22	-	-	0.53	0.52	-	-
		LE2	0.35	0.34	-	-	0.30	0.30	-	-	0.57	0.57	-	-
	SINGLE HUNG	LE3/Ar	0.30	0.30	-	-	0.22	0.22	-	-	0.53	0.52	-	-
		LE2	0.34	0.34	-	-	0.30	0.30	-	-	0.57	0.57	-	-
	FIXED	LE3/Ar	0.27	0.26	-	-	0.24	0.24	-	-	0.58	0.58	-	-
		LE2	0.31	0.31	-	-	0.33	0.33	-	-	0.63	0.62	-	-
Vista PLUS	SLIDERS	LE3/Ar	0.31	0.31	0.30	0.30	0.22	0.22	0.22	0.22	0.51	0.50	0.50	0.49
		LE2	0.35	0.35	-	0.34	0.29	0.29	-	0.29	0.55	0.54	-	0.53
	SINGLE HUNG	LE3/Ar	0.31	0.31	0.30	0.30	0.22	0.22	0.22	0.22	0.51	0.50	0.50	0.49
		LE2	0.35	0.35	-	0.34	0.29	0.29	-	0.29	0.55	0.54	-	0.53
	FIXED	LE3/Ar	0.29	0.29	-	0.29	0.22	0.22	-	0.22	0.53	0.52	-	0.51
		LE2	0.33	0.33	-	0.33	0.30	0.30	-	0.30	0.57	0.56	-	0.55
	CASEMENTS	LE3/Ar	0.28	0.28	-	0.28	0.19	0.19	-	0.18	0.43	0.43	-	0.42
		LE2	0.32	0.32	-	0.31	0.25	0.25	-	0.24	0.47	0.46	-	0.45
	PATIO DOORS	LE3/Ar	-	0.29	-	0.29	-	0.22	-	0.22	-	0.52	-	0.52
		LE2	-	0.33	-	0.33	-	0.30	-	0.30	-	0.57	-	0.56

Acoustic Ratings			STC	OITC		
	GLASS	THICKNESS				
		3/32	1/8			
Vista PLUS	SLIDERS	Annealed	1/8	3/16	32	25
			3/16	1/4	32	26
			3/32	1/8	30	23
	SINGLE HUNG	Annealed	1/8	3/16	32	26
			1/8	1/8	28	22
			1/8	3/16	33	25
FIXED	Annealed	3/16	1/4	33	27	
		1/8	1/8	31	24	
		1/8	3/16	35	27	
CASEMENTS	Annealed	1/8	1/8	28	21	
		1/8	3/16	32	26	
		3/16	1/4	34	27	
PATIO DOORS	Tempered	1/8	3/16	32	26	
		3/16	1/4	34	27	

**U-Factor**  
Insulation value of windows

**SHGC**  
Solar Heat Gain Coefficient

**VT**  
Visible Transmittance

**SS**  
Single Strength 3/32"

**DS**  
Double Strength 1/8"

**Title 24**  
U-factor: 0.32, SHGC: 0.25

**HERO**  
U-factor: 0.30, SHGC: 0.25

**STC**  
Sound Transmission Class

**OITC**  
Outdoor–Indoor  
Transmission Class

**DP**  
Design Pressure

Structural Ratings	Performance Grade <sup>(1)</sup>		Wind Velocity <sup>(2)</sup>	Forced Entry <sup>(3)</sup>
	CLASS	DP	Equivalent	Resistance
Vista	SLIDERS, FIXED	LC - 25	100.08	Passed
	SINGLE HUNG	LC - 30	109.63	Passed
Vista PLUS	SLIDERS, FIXED	LC - 30	109.63	Passed
	SINGLE HUNG	LC - 30	109.63	Passed
	CASEMENTS	C - 40	126.59	Passed
	PATIO DOORS	LC - 25 <sup>96x96</sup>	R - 20	100.08, 89.51

1. Specification AAMA/WDMA/CSA 101/1.S.2/A440-05, -08.  
2. Class/design pressure equivalent wind velocity in MPH.  
3. In accordance to ASTM F 588 / CAWM 301, and ASTM F 842 / CAWN 300.

