

Thermal Performance Data

Aspire Sliding Patio Doors



Weather Shield®
Windows & Doors

ENERGY PERFORMANCE DATA							ENERGY STAR				CANADIAN ENERGY PERFORMANCE DATA			ENERGY STAR			
NFRC Total Unit Calculations ^a							ENERGY STAR				CANADIAN ENERGY PERFORMANCE DATA			ENERGY STAR			
Grille Option	Glazing thickness	Glazing Option	U Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US Energy Star				U-Value (metric)	Air Infiltration L/s/m2	Energy R rating	CANADA Energy Star			
							N	NC	SC	S				A	B	C	D
No Grilles	3/4"	Clear Insul	0.45	0.61	0.64	45					2.56						
	3/4"	Insul Low-E	0.31	0.33	0.56	56					1.76			Y			
	3/4"	Insul Low E w/Argon	0.28	0.33	0.56	59					1.59			Y	Y		
	3/4"	Zo-e-shield 5	0.31	0.22	0.50	57	Y	Y	Y	Y	1.76			Y			
	3/4"	Zo-e-shield 5 w/ Argon	0.27	0.22	0.50	60	Y	Y	Y	Y	1.53			Y	Y		
	3/4"	Zo-e-shield 5 Extreme	0.26	0.20	0.46	45	Y	Y	Y	Y	1.48			Y	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	0.23	0.20	0.46	49	Y	Y	Y	Y	1.31			Y	Y	Y	
	3/4"	Zo-e-shield 6	0.33	0.22	0.49	54					1.87						
	3/4"	Zo-e-shield 6 w/ Argon	0.28	0.22	0.49	58	Y	Y	Y	Y	1.59			Y	Y		
5/8" - 13/16" GIA	3/4"	Clear Insul	0.45	0.54	0.56	45					2.56						
	3/4"	Insul Low-E	0.31	0.29	0.49	56	Y	Y	Y	Y	1.76			Y			
	3/4"	Insul Low E w/Argon	0.28	0.29	0.49	59	Y	Y	Y	Y	1.59			Y	Y		
	3/4"	Zo-e-shield 5	0.31	0.20	0.44	57	Y	Y	Y	Y	1.76			Y			
	3/4"	Zo-e-shield 5 w/ Argon	0.27	0.19	0.44	60	Y	Y	Y	Y	1.53			Y	Y		
	3/4"	Zo-e-shield 5 Extreme	0.26	0.18	0.40	45	Y	Y	Y	Y	1.48			Y	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	0.23	0.18	0.40	49	Y	Y	Y	Y	1.31			Y	Y	Y	
	3/4"	Zo-e-shield 6	0.35	0.20	0.43	54					1.99						
	3/4"	Zo-e-shield 6 w/ Argon	0.30	0.19	0.43	58	Y	Y	Y	Y	1.70			Y			
Over 7/8' GIA or SDL	3/4"	Clear Insul	0.45	0.47	0.49	45					2.56						
	3/4"	Insul Low-E	0.31	0.26	0.42	56	Y	Y	Y	Y	1.76			Y			
	3/4"	Insul Low E w/Argon	0.28	0.25	0.42	59	Y	Y	Y	Y	1.59			Y	Y		
	3/4"	Zo-e-shield 5	0.31	0.17	0.38	57	Y	Y	Y	Y	1.76			Y			
	3/4"	Zo-e-shield 5 w/ Argon	0.27	0.17	0.38	60	Y	Y	Y	Y	1.53			Y	Y		
	3/4"	Zo-e-shield 5 Extreme	0.26	0.16	0.35	45	Y	Y	Y	Y	1.48			Y	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	0.23	0.16	0.35	49	Y	Y	Y	Y	1.31			Y	Y	Y	
	3/4"	Zo-e-shield 6	0.35	0.17	0.37	54					1.99						
	3/4"	Zo-e-shield 6 w/ Argon	0.30	0.17	0.37	58	Y	Y	Y	Y	1.70			Y			

^a Total Unit calculations are derived from computer simulations that are then verified by 3rd party testing in accordance with NFRC 100-04.

Energy Star Criteria	Climate Zone	U-Factor	*SHGC
As of January 2010	All Zones	<=0.32	<=0.30

* SHGC = Solar Heat Gain Coefficient

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Aspire Sliding Patio Door Fixed Studios



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NFRC Total Unit Calculations ^a							US Energy Star							CANADA Energy Star			
Grille Option	Glazing thickness	Glazing Option	U Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	N	NC	SC	S	U-Value (metric)	Air Infiltration L/s/m2	Energy R Rating	A	B	C	D
No Grilles	3/4"	Clear Insul	0.44	0.57	0.60	46					2.50						
	3/4"	Insul Low-E	0.31	0.31	0.53	59					1.76			Y			
	3/4"	Insul Low E w/Argon	0.28	0.31	0.53	63					1.59			Y	Y		
	3/4"	Zo-e-shield 5	0.30	0.21	0.47	60	Y	Y	Y	Y	1.70			Y			
	3/4"	Zo-e-shield 5 w/ Argon	0.27	0.20	0.47	63	Y	Y	Y	Y	1.53			Y	Y		
	3/4"	Zo-e-shield 5 Extreme	0.26	0.19	0.43	46	Y	Y	Y	Y	1.48			Y	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	0.23	0.19	0.43	50	Y	Y	Y	Y	1.31			Y	Y	Y	
	3/4"	Zo-e-shield 6	0.32	0.21	0.46	57	Y	Y	Y	Y	1.82			Y			
	3/4"	Zo-e-shield 6 w/ Argon	0.28	0.20	0.46	61	Y	Y	Y	Y	1.59			Y	Y		
5/8" - 13/16" GIA	3/4"	Clear Insul	0.44	0.50	0.53	46					2.50						
	3/4"	Insul Low-E	0.31	0.27	0.46	59	Y	Y	Y	Y	1.76			Y			
	3/4"	Insul Low E w/Argon	0.28	0.27	0.46	63	Y	Y	Y	Y	1.59			Y	Y		
	3/4"	Zo-e-shield 5	0.30	0.18	0.41	60	Y	Y	Y	Y	1.70			Y			
	3/4"	Zo-e-shield 5 w/ Argon	0.27	0.18	0.41	63	Y	Y	Y	Y	1.53			Y	Y		
	3/4"	Zo-e-shield 5 Extreme	0.26	0.17	0.37	46	Y	Y	Y	Y	1.48			Y	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	0.23	0.17	0.37	50	Y	Y	Y	Y	1.31			Y	Y	Y	
	3/4"	Zo-e-shield 6	0.34	0.18	0.40	57					1.93						
	3/4"	Zo-e-shield 6 w/ Argon	0.30	0.18	0.40	61	Y	Y	Y	Y	1.70			Y			
Over 7/8' GIA or SDL	3/4"	Clear Insul	0.44	0.44	0.45	46					2.50						
	3/4"	Insul Low-E	0.31	0.24	0.40	59	Y	Y	Y	Y	1.76			Y			
	3/4"	Insul Low E w/Argon	0.28	0.24	0.40	63	Y	Y	Y	Y	1.59			Y	Y		
	3/4"	Zo-e-shield 5	0.30	0.16	0.36	60	Y	Y	Y	Y	1.70			Y			
	3/4"	Zo-e-shield 5 w/ Argon	0.27	0.16	0.36	63	Y	Y	Y	Y	1.53			Y	Y		
	3/4"	Zo-e-shield 5 Extreme	0.26	0.15	0.32	46	Y	Y	Y	Y	1.48			Y	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	0.23	0.15	0.32	50	Y	Y	Y	Y	1.31			Y	Y	Y	
	3/4"	Zo-e-shield 6	0.34	0.16	0.35	57					1.93						
	3/4"	Zo-e-shield 6 w/ Argon	0.30	0.16	0.35	61	Y	Y	Y	Y	1.70			Y			

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