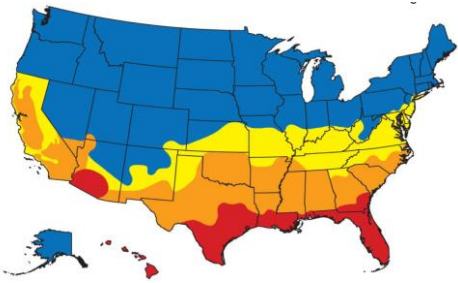
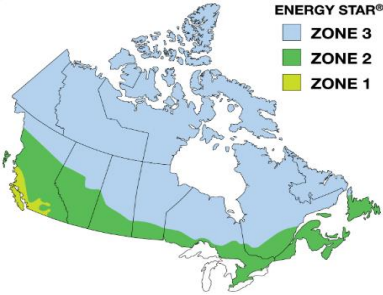


Thermal Performance Data

Aspire Inswing French Door (7502)

WEATHER SHIELD.
WINDOWS & DOORS

US Qualification Criteria	Climate Zone	U-Value	SHGC
 <p>As of January 2016</p>	Northern	<=0.30	<=0.40
	North-Central		<=0.25
	South-Central		
	Southern		

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
 <p>As of February 2015</p>	Zone 1	<=1.60		>=25
	Zone 2	<=1.40		>=29
	Zone 3	<=1.20		>=34
	Air Leakage <= 0.3 cfm/ft2			

U-Value

A measurement of how much energy a material conducts. The lower the U-Value, the greater the insulating effect.

Solar Heat Gain Coefficient (SHGC)

Measures how well a window or door prevents heat from passing through it. The lower a window or door's SHGC, the less heat it allows to pass through it.

Visible Light Transmittance

The amount of light in the visible portion of the spectrum that passes through a glazing material.

Condensation Resistance Rating

Measures how well a window resists the formation of condensation on the inside surface. The higher the number the better resistance to condensation.

Energy Rating

A value demonstrating the balance between U-Value, SHGC and air leakage. The higher the number, the more efficient the product.

R-Value

A measurement of how much a material resists heat transfer.

A higher R-Value means a greater insulating effect and a lower rate of heat flow out of the home.

While **R-value** measures resistance to heat transfer, **U-value** measures the rate of heat transfer.

In simple terms, **U-value** is the mathematical reciprocal of **R-value**; that is, **U = 1/R and R = 1/U**.

^a Total Unit calculations are derived from computer simulations that are then verified by 3rd party testing in accordance with NFRC 100, NFRC 200, and NFRC 500.

^b Published values reflect 3mm/3mm glass lite thicknesses.

ENERGY PERFORMANCE DATA

Aspire Inswing French Door (7502)



US
ENERGY STAR V
6.0

CANADIAN ENERGY
PERFORMANCE DATA



CANADA
ENERGY
STAR v 4.1

Grille Option	Glazing thickness	a)NFRG Total Unit Calculations b)Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 6.0				CANADIAN ENERGY PERFORMANCE DATA						
								N	NC	SC	S	U-Value (metric)	Maximum Air Leakage Ls/m2	Air Infiltration/Exfiltration Average	Energy Rating	1	2	3
No GIA or SDL	3/4"	Clear Insul	WEA-N-263-00519-00001	0.43	0.44	0.45	45					2.44	0.6	0.10	12			
	3/4"	Insul Low-E	WEA-N-263-00520-00001	0.34	0.22	0.39	57					1.93	0.6	0.10	10			
	3/4"	Insul Low E w/Argon	WEA-N-263-00526-00001	0.31	0.22	0.39	60					1.76	0.6	0.10	14			
	3/4"	Passive Solar	WEA-N-263-00433-00001	0.34	0.38	0.44	58					1.93	0.6	0.10	19			
	3/4"	Passive Solar w/Argon	WEA-N-263-00482-00001	0.31	0.39	0.44	61					1.76	0.6	0.10	24			
	3/4"	Passive Solar Extreme	WEA-N-263-00436-00001	0.30	0.35	0.43	45	Y	Y			1.70	0.6	0.10	23			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-263-00485-00001	0.28	0.35	0.43	48	Y	Y			1.59	0.6	0.10	25	Y		
	3/4"	Zo-e-shield 5	WEA-N-263-00521-00001	0.33	0.16	0.34	57					1.87	0.6	0.10	8			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-263-00527-00001	0.31	0.16	0.34	60					1.76	0.6	0.10	11			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-263-00445-00001	0.29	0.16	0.35	46	Y	Y	Y	Y	1.65	0.6	0.10	13			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-263-00494-00001	0.28	0.16	0.35	49	Y	Y	Y	Y	1.59	0.6	0.10	14			
	3/4"	Zo-e-shield 6	WEA-N-263-00454-00001	0.34	0.16	0.35	56					1.93	0.6	0.10	7			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-263-00500-00001	0.31	0.16	0.35	60					1.76	0.6	0.10	11			
	3/4"	Zo-e SafeGuard Certified	WEA-N-263-00463-00001	0.34	0.16	0.35	56					1.93	0.6	0.10	7			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-263-00509-00001	0.31	0.16	0.35	61					1.76	0.6	0.10	11			
	1"	Zo-e-shield 7	WEA-N-263-00469-00001	0.28	0.15	0.29	62	Y	Y	Y	Y	1.59	0.6	0.01	14			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-263-00515-00001	0.26	0.14	0.29	63	Y	Y	Y	Y	1.48	0.6	0.10	15			
	3/4"	Insul Low-E 240	WEA-N-263-00439-00001	0.34	0.15	0.22	58					1.93	0.6	0.10	6			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-263-00488-00001	0.31	0.15	0.22	61					1.76	0.6	0.10	10			
	3/4"	Insul Low-E 340	WEA-N-263-00442-00001	0.33	0.11	0.21	59					1.87	0.6	0.10	5			
3/4"	Insul Low-E 340 w/Argon	WEA-N-263-00491-00001	0.31	0.11	0.21	61					1.76	0.6	0.10	8				
3/4"	Bronze Low E	WEA-N-263-00427-00011	0.33	0.23	0.29	58					1.87	0.6	0.10	12				
3/4"	Bronze Low E w/Argon	WEA-N-263-00476-00011	0.31	0.22	0.29	61					1.76	0.6	0.10	14				
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-263-00519-00002	0.43	0.38	0.39	45					2.44	0.6	0.10	8			
	3/4"	Insul Low-E	WEA-N-263-00520-00002	0.34	0.19	0.33	57					1.93	0.6	0.10	9			
	3/4"	Insul Low E w/Argon	WEA-N-263-00526-00002	0.31	0.19	0.33	60					1.76	0.6	0.10	12			
	3/4"	Passive Solar	WEA-N-263-00433-00002	0.34	0.33	0.37	58					1.93	0.6	0.10	17			
	3/4"	Passive Solar w/Argon	WEA-N-263-00482-00002	0.31	0.33	0.37	61					1.76	0.6	0.10	20			
	3/4"	Passive Solar Extreme	WEA-N-263-00436-00002	0.30	0.30	0.36	45	Y	Y			1.70	0.6	0.10	20			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-263-00485-00002	0.28	0.30	0.36	48	Y	Y			1.59	0.6	0.10	22	Y		
	3/4"	Zo-e-shield 5	WEA-N-263-00521-00002	0.33	0.14	0.29	57					1.87	0.6	0.10	7			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-263-00527-00002	0.31	0.14	0.29	60					1.76	0.6	0.10	9			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-263-00445-00002	0.29	0.14	0.30	46	Y	Y	Y	Y	1.65	0.6	0.10	12			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-263-00494-00002	0.28	0.14	0.30	49	Y	Y	Y	Y	1.59	0.6	0.10	13			
	3/4"	Zo-e-shield 6	WEA-N-263-00455-00001	0.36	0.14	0.30	56					2.04	0.6	0.10	3			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-263-00501-00001	0.34	0.14	0.30	60					1.93	0.6	0.10	6			
	3/4"	Zo-e SafeGuard Certified	WEA-N-263-00464-00001	0.37	0.14	0.30	57					2.10	0.6	0.10	2			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-263-00510-00001	0.33	0.14	0.30	61					1.87	0.6	0.10	7			
	1"	Zo-e-shield 7	WEA-N-263-00470-00001	0.29	0.13	0.24	62	Y	Y	Y	Y	1.65	0.6	0.10	11			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-263-00516-00001	0.26	0.13	0.24	63	Y	Y	Y	Y	1.48	0.6	0.10	15			
	3/4"	Insul Low-E 240	WEA-N-263-00439-00002	0.34	0.13	0.19	58					1.93	0.6	0.10	5			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-263-00488-00002	0.31	0.13	0.19	61					1.76	0.6	0.10	9			
	3/4"	Insul Low-E 340	WEA-N-263-00442-00002	0.33	0.10	0.18	59					1.87	0.6	0.10	5			
3/4"	Insul Low-E 340 w/Argon	WEA-N-263-00491-00002	0.31	0.09	0.18	61					1.76	0.6	0.10	6				
3/4"	Bronze Low E	WEA-N-263-00427-00012	0.33	0.20	0.25	58					1.87	0.6	0.10	10				
3/4"	Bronze Low E w/Argon	WEA-N-263-00476-00012	0.31	0.19	0.25	61					1.76	0.6	0.10	12				