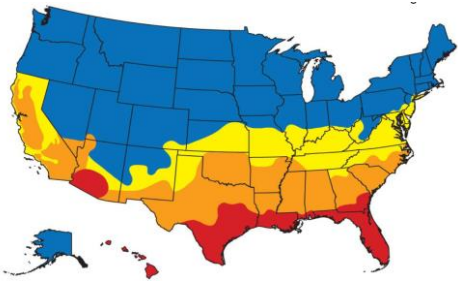
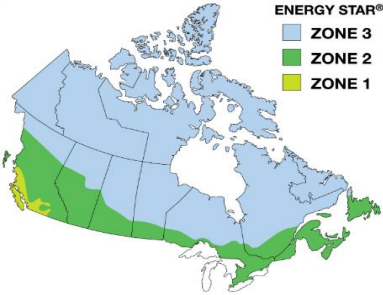


# Thermal Performance Data

Aspire Outswing French Door (7602)

**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**.

<sup>a</sup> 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.

<sup>b</sup> Published values reflect 3mm/3mm glass lite thicknesses.

**ENERGY PERFORMANCE DATA**

**Aspire Outswing French Door (7602)**



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				U-Value (metric)	Maximum Air Leakage Ls/m2	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v 4.1		
								N	NC	SC	S					1	2	3
No GIA or SDL	3/4"	Clear Insul	WEA-N-264-00519-00001	0.43	0.44	0.45	45					2.44	0.6	0.25	11			
	3/4"	Insul Low-E	WEA-N-264-00520-00001	0.33	0.22	0.39	57					1.87	0.6	0.25	11			
	3/4"	Insul Low E w/Argon	WEA-N-264-00526-00001	0.30	0.22	0.39	61	Y	Y	Y	Y	1.70	0.6	0.25	15			
	3/4"	Passive Solar	WEA-N-264-00433-00001	0.33	0.39	0.44	58					1.87	0.6	0.25	21			
	3/4"	Passive Solar w/Argon	WEA-N-264-00482-00001	0.31	0.39	0.44	61					1.76	0.6	0.25	23			
	3/4"	Passive Solar Extreme	WEA-N-264-00436-00001	0.29	0.35	0.43	44	Y	Y			1.65	0.6	0.25	24			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-264-00485-00001	0.28	0.35	0.43	48	Y	Y			1.59	0.6	0.25	25	Y		
	3/4"	Zo-e-shield 5	WEA-N-264-00521-00001	0.33	0.17	0.34	57					1.87	0.6	0.25	8			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-264-00527-00001	0.30	0.16	0.34	61	Y	Y	Y	Y	1.70	0.6	0.25	12			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-264-00445-00001	0.29	0.16	0.35	45	Y	Y	Y	Y	1.65	0.6	0.25	13			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-264-00494-00001	0.27	0.16	0.35	49	Y	Y	Y	Y	1.53	0.6	0.25	15			
	3/4"	Zo-e-shield 6	WEA-N-264-00454-00001	0.34	0.16	0.35	56					1.93	0.6	0.25	6			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-264-00500-00001	0.31	0.16	0.35	60					1.76	0.6	0.25	10			
	3/4"	Zo-e SafeGuard Certified	WEA-N-264-00463-00001	0.34	0.16	0.35	56					1.93	0.6	0.25	6			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-264-00509-00001	0.31	0.16	0.35	60					1.76	0.6	0.25	10			
	1"	Zo-e-shield 7	WEA-N-264-00469-00001	0.28	0.15	0.29	64	Y	Y	Y	Y	1.59	0.6	0.25	13			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-264-00515-00001	0.25	0.15	0.29	64	Y	Y	Y	Y	1.42	0.6	0.25	17	Y		
	3/4"	Insul Low-E 240	WEA-N-264-00439-00001	0.33	0.15	0.22	58					1.87	0.6	0.25	7			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-264-00488-00001	0.31	0.15	0.22	61					1.76	0.6	0.25	10			
	3/4"	Insul Low-E 340	WEA-N-264-00442-00001	0.33	0.11	0.21	59					1.87	0.6	0.25	5			
3/4"	Insul Low-E 340 w/Argon	WEA-N-264-00491-00001	0.30	0.11	0.21	62	Y	Y	Y	Y	1.70	0.6	0.25	9				
3/4"	Bronze Low E	WEA-N-264-00427-00011	0.33	0.23	0.29	58					1.87	0.6	0.25	12				
3/4"	Bronze Low E w/Argon	WEA-N-264-00476-00011	0.30	0.23	0.29	62	Y	Y	Y	Y	1.70	0.6	0.25	16				
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-264-00519-00002	0.43	0.38	0.39	45					2.44	0.6	0.25	8			
	3/4"	Insul Low-E	WEA-N-264-00520-00002	0.33	0.19	0.33	57					1.87	0.6	0.25	10			
	3/4"	Insul Low E w/Argon	WEA-N-264-00526-00002	0.30	0.19	0.33	61	Y	Y	Y	Y	1.70	0.6	0.25	13			
	3/4"	Passive Solar	WEA-N-264-00433-00002	0.33	0.33	0.37	58					1.87	0.6	0.25	18			
	3/4"	Passive Solar w/Argon	WEA-N-264-00482-00002	0.31	0.33	0.37	61					1.76	0.6	0.25	20			
	3/4"	Passive Solar Extreme	WEA-N-264-00436-00002	0.29	0.30	0.36	44	Y	Y			1.65	0.6	0.25	21			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-264-00485-00002	0.28	0.31	0.36	48	Y	Y			1.59	0.6	0.25	23	Y		
	3/4"	Zo-e-shield 5	WEA-N-264-00521-00002	0.33	0.15	0.29	57					1.87	0.6	0.25	7			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-264-00527-00002	0.30	0.14	0.29	61	Y	Y	Y	Y	1.70	0.6	0.25	10			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-264-00445-00002	0.29	0.14	0.30	45	Y	Y	Y	Y	1.65	0.6	0.25	11			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-264-00494-00002	0.27	0.14	0.30	49	Y	Y	Y	Y	1.53	0.6	0.25	14			
	3/4"	Zo-e-shield 6	WEA-N-264-00455-00001	0.36	0.14	0.30	56					2.04	0.6	0.25	3			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-264-00501-00001	0.33	0.14	0.30	60					1.87	0.6	0.25	7			
	3/4"	Zo-e SafeGuard Certified	WEA-N-264-00464-00001	0.36	0.14	0.30	56					2.04	0.6	0.25	3			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-264-00510-00001	0.33	0.14	0.30	60					1.87	0.6	0.25	7			
	1"	Zo-e-shield 7	WEA-N-264-00470-00001	0.28	0.13	0.24	64	Y	Y	Y	Y	1.59	0.6	0.25	12			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-264-00516-00001	0.26	0.13	0.24	64	Y	Y	Y	Y	1.48	0.6	0.25	15			
	3/4"	Insul Low-E 240	WEA-N-264-00439-00002	0.33	0.13	0.19	58					1.87	0.6	0.25	6			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-264-00488-00002	0.31	0.13	0.19	61					1.76	0.6	0.25	8			
	3/4"	Insul Low-E 340	WEA-N-264-00442-00002	0.33	0.10	0.18	59					1.87	0.6	0.25	4			
3/4"	Insul Low-E 340 w/Argon	WEA-N-264-00491-00002	0.30	0.10	0.18	62	Y	Y	Y	Y	1.70	0.6	0.25	8				
3/4"	Bronze Low E	WEA-N-264-00427-00012	0.33	0.20	0.25	58					1.87	0.6	0.25	10				
3/4"	Bronze Low E w/Argon	WEA-N-264-00476-00012	0.30	0.20	0.25	62	Y	Y	Y	Y	1.70	0.6	0.25	14				