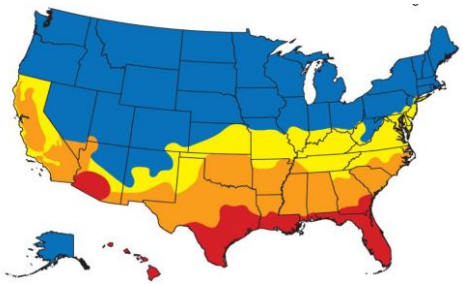
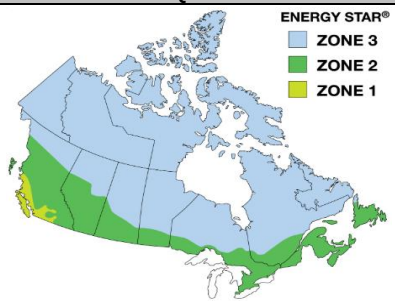
Thermal Performance Data

Aspire Awning Windows (7205)

WEATHER SHIELD. WINDOWS & DOORS

US Qualification Criteria	Climate Zone	U-Value	SHGC	
 As of January 2016	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
		=0.30	>=0.42	
	North-Central	<=0.30	<=0.40	
	South-Central	<=0.30	<=0.25	
	Southern	<=0.40	<=0.25	

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
 As of February 2015	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 resist- ance 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.

Revised 7/25/19

ENERGY PERFORMANCE DATA

Aspire Awning Windows (7205)

Grille Option	Glazing thickness	[a]NFRC 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 PEFORMANCE DATA				CANADA ENERGY STAR v 4.1		
								N	NC	SC	S	U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/ Exfiltration Average	Energy Rating	1	2	3
No GIA or SDL	3/4"	Clear Insul	WEA-N-272-00303-00001	0.43	0.56	0.59	44					2.44	0.6	0.25	18			
	3/4"	Insul Low-E	WEA-N-272-00312-00001	0.31	0.30	0.52	55					1.76	0.6	0.25	18			
	3/4"	Insul Low E w/Argon	WEA-N-272-00321-00001	0.27	0.30	0.52	58	Y	Y			1.53	0.6	0.25	23	Y		
	3/4"	Passive Solar	WEA-N-272-00378-00001	0.31	0.49	0.57	54					1.76	0.6	0.25	29	Y	Y	
	3/4"	Passive Solar w/Argon	WEA-N-272-00405-00001	0.28	0.50	0.57	58	Y				1.59	0.6	0.25	34	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-272-00330-00001	0.30	0.20	0.46	55		Y	Y	Y	1.70	0.6	0.25	14			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-272-00354-00001	0.27	0.20	0.46	59	Y	Y	Y	Y	1.53	0.6	0.25	18	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-272-00333-00001	0.26	0.20	0.45	43	Y	Y	Y	Y	1.48	0.6	0.25	19	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-272-00357-00001	0.24	0.20	0.45	47	Y	Y	Y	Y	1.36	0.6	0.25	21	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-272-00340-00001	0.30	0.20	0.46	53		Y	Y	Y	1.70	0.6	0.25	14			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-272-00364-00001	0.27	0.20	0.46	56	Y	Y	Y	Y	1.53	0.6	0.25	18	Y		
	3/4"	Zo-e SafeGuard Certified	WEA-N-272-00346-00001	0.30	0.20	0.45	45		Y	Y	Y	1.70	0.6	0.25	14			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-272-00370-00001	0.27	0.20	0.45	57	Y	Y	Y	Y	1.53	0.6	0.25	18	Y		
	3/4"	Insul Low-E 240	WEA-N-272-00387-00001	0.31	0.19	0.29	54				Y	1.76	0.6	0.25	12			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-272-00414-00001	0.28	0.19	0.29	58		Y	Y	Y	1.59	0.6	0.25	16			
	3/4"	Insul Low-E 340	WEA-N-272-00396-00001	0.30	0.14	0.28	55		Y	Y	Y	1.70	0.6	0.25	10			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-272-00423-00001	0.27	0.13	0.28	59	Y	Y	Y	Y	1.53	0.6	0.25	14			
	3/4"	Bronze Low E	WEA-N-272-00312-00011	0.31	0.29	0.38	55					1.76	0.6	0.25	18			
	3/4"	Bronze Low E w/Argon	WEA-N-272-00321-00011	0.27	0.29	0.38	58	Y	Y			1.53	0.6	0.25	23	Y		
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-272-00303-00002	0.43	0.51	0.53	44					2.44	0.6	0.25	16			
	3/4"	Insul Low-E	WEA-N-272-00312-00002	0.31	0.28	0.47	55					1.76	0.6	0.25	17			
	3/4"	Insul Low E w/Argon	WEA-N-272-00321-00002	0.27	0.28	0.47	58	Y	Y			1.53	0.6	0.25	22	Y		
	3/4"	Passive Solar	WEA-N-272-00378-00002	0.31	0.45	0.51	54					1.76	0.6	0.25	27	Y		
	3/4"	Passive Solar w/Argon	WEA-N-272-00405-00002	0.28	0.45	0.51	58	Y				1.59	0.6	0.25	31	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-272-00330-00002	0.30	0.19	0.42	55		Y	Y	Y	1.70	0.6	0.25	13			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-272-00354-00002	0.27	0.18	0.42	59	Y	Y	Y	Y	1.53	0.6	0.25	16	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-272-00333-00002	0.26	0.18	0.41	43	Y	Y	Y	Y	1.48	0.6	0.25	17	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-272-00357-00002	0.24	0.18	0.41	47	Y	Y	Y	Y	1.36	0.6	0.25	20	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-272-00340-00002	0.30	0.18	0.41	53		Y	Y	Y	1.70	0.6	0.25	13			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-272-00364-00002	0.27	0.18	0.41	56	Y	Y	Y	Y	1.53	0.6	0.25	16	Y		
	3/4"	Zo-e SafeGuard Certified	WEA-N-272-00346-00002	0.30	0.18	0.41	45		Y	Y	Y	1.70	0.6	0.25	13			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-272-00370-00002	0.27	0.18	0.41	57	Y	Y	Y	Y	1.53	0.6	0.25	16	Y		
	3/4"	Insul Low-E 240	WEA-N-272-00387-00002	0.31	0.18	0.26	54				Y	1.76	0.6	0.25	11			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-272-00414-00002	0.28	0.17	0.26	58		Y	Y	Y	1.59	0.6	0.25	15			
	3/4"	Insul Low-E 340	WEA-N-272-00396-00002	0.30	0.13	0.25	55		Y	Y	Y	1.70	0.6	0.25	10			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-272-00423-00002	0.27	0.12	0.25	59	Y	Y	Y	Y	1.53	0.6	0.25	13			
	3/4"	Bronze Low E	WEA-N-272-00312-00012	0.31	0.26	0.35	55					1.76	0.6	0.25	16			
	3/4"	Bronze Low E w/Argon	WEA-N-272-00321-00012	0.27	0.26	0.35	58	Y	Y			1.53	0.6	0.25	21	Y		