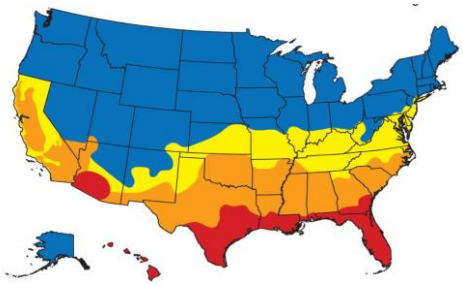
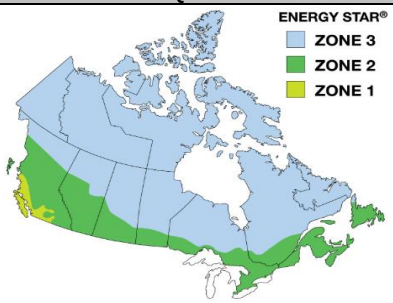
Thermal Performance Data

Aspire Direct-Set Sliding Door Transom (7305)

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.

ENERGY PERFORMANCE DATA

Aspire Direct-Set Sliding Door Transom (7305)

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-273-00818-00001	0.46	0.68	0.71	44					2.61	0.6	0.25	22			
	3/4"	Insul Low-E	WEA-N-273-00819-00001	0.30	0.33	0.60	56		Y			1.70	0.6	0.25	21			
	3/4"	Insul Low E w/Argon	WEA-N-273-00825-00001	0.26	0.33	0.60	59	Y	Y			1.48	0.6	0.25	26	Y		
	3/4"	Passive Solar	WEA-N-273-00726-00001	0.31	0.59	0.68	56					1.76	0.6	0.25	35	Y	Y	Y
	3/4"	Passive Solar w/Argon	WEA-N-273-00768-00001	0.28	0.59	0.68	59	Y				1.59	0.6	0.25	39	Y	Y	Y
	3/4"	Zo-e-shield 5	WEA-N-273-00820-00001	0.30	0.25	0.53	56		Y	Y	Y	1.70	0.6	0.25	17			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-273-00826-00001	0.26	0.24	0.53	60	Y	Y	Y	Y	1.48	0.6	0.25	21	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-273-00663-00001	0.24	0.23	0.54	45	Y	Y	Y	Y	1.36	0.6	0.25	23	Y	Y	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-273-00698-00001	0.22	0.23	0.54	48	Y	Y	Y	Y	1.25	0.6	0.25	25	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-273-00672-00001	0.30	0.24	0.55	57		Y	Y	Y	1.70	0.6	0.25	16			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-273-00707-00001	0.26	0.23	0.55	61	Y	Y	Y	Y	1.48	0.6	0.25	20	Y		
	3/4"	Zo-e SafeGuard Certified	WEA-N-273-00679-00001	0.30	0.23	0.54	54		Y	Y	Y	1.70	0.6	0.25	16			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-273-00714-00001	0.26	0.23	0.54	61	Y	Y	Y	Y	1.48	0.6	0.25	20	Y		
	3/4"	Insul Low-E 240	WEA-N-273-00740-00001	0.31	0.22	0.34	56				Y	1.76	0.6	0.25	14			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-273-00782-00001	0.27	0.22	0.34	59	Y	Y	Y	Y	1.53	0.6	0.25	19	Y		
	3/4"	Insul Low-E 340	WEA-N-273-00754-00001	0.30	0.16	0.33	56		Y	Y	Y	1.70	0.6	0.25	12			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-273-00796-00001	0.26	0.16	0.33	60	Y	Y	Y	Y	1.48	0.6	0.25	16	Y		
	3/4"	Bronze Low E	WEA-N-273-00594-00001	0.30	0.34	0.46	56		Y			1.70	0.6	0.25	22			
	3/4"	Bronze Low E w/Argon	WEA-N-273-00629-00001	0.27	0.34	0.46	60	Y	Y			1.53	0.6	0.25	26	Y		
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-273-00818-00002	0.46	0.61	0.63	44					2.61	0.6	0.25	18			
	3/4"	Insul Low-E	WEA-N-273-00819-00002	0.30	0.30	0.54	56		Y			1.70	0.6	0.25	20			
	3/4"	Insul Low E w/Argon	WEA-N-273-00825-00002	0.26	0.30	0.54	59	Y	Y			1.48	0.6	0.25	24	Y		
	3/4"	Passive Solar	WEA-N-273-00726-00002	0.31	0.53	0.61	56					1.76	0.6	0.25	32	Y	Y	
	3/4"	Passive Solar w/Argon	WEA-N-273-00768-00002	0.28	0.53	0.61	59	Y				1.59	0.6	0.25	35	Y	Y	Y
	3/4"	Zo-e-shield 5	WEA-N-273-00820-00002	0.30	0.22	0.48	56		Y	Y	Y	1.70	0.6	0.25	15			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-273-00826-00002	0.26	0.22	0.48	60	Y	Y	Y	Y	1.48	0.6	0.25	20	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-273-00663-00002	0.24	0.21	0.49	45	Y	Y	Y	Y	1.36	0.6	0.25	22	Y	Y	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-273-00698-00002	0.22	0.21	0.49	48	Y	Y	Y	Y	1.25	0.6	0.25	24	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-273-00672-00002	0.30	0.22	0.49	57		Y	Y	Y	1.70	0.6	0.25	15			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-273-00707-00002	0.26	0.21	0.49	61	Y	Y	Y	Y	1.48	0.6	0.25	19	Y		
	3/4"	Zo-e SafeGuard Certified	WEA-N-273-00679-00002	0.30	0.21	0.49	54		Y	Y	Y	1.70	0.6	0.25	14			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-273-00714-00002	0.26	0.21	0.49	61	Y	Y	Y	Y	1.48	0.6	0.25	19	Y		
	3/4"	Insul Low-E 240	WEA-N-273-00740-00002	0.31	0.20	0.31	56				Y	1.76	0.6	0.25	13			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-273-00782-00002	0.27	0.20	0.31	59	Y	Y	Y	Y	1.53	0.6	0.25	18	Y		
	3/4"	Insul Low-E 340	WEA-N-273-00754-00002	0.30	0.15	0.30	56		Y	Y	Y	1.70	0.6	0.25	11			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-273-00796-00002	0.26	0.14	0.30	60	Y	Y	Y	Y	1.48	0.6	0.25	15			
	3/4"	Bronze Low E	WEA-N-273-00594-00002	0.30	0.31	0.41	56		Y			1.70	0.6	0.25	20			
	3/4"	Bronze Low E w/Argon	WEA-N-273-00629-00002	0.27	0.31	0.41	60	Y	Y			1.53	0.6	0.25	24	Y		