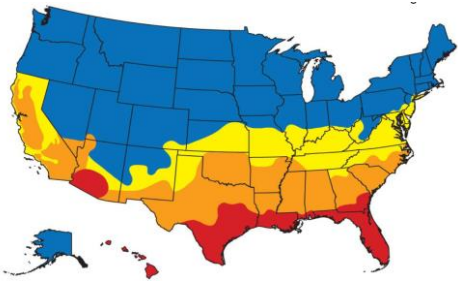
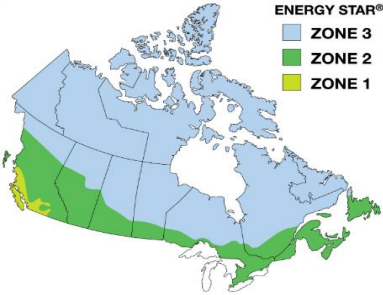


# Thermal Performance Data

Aspire Sliding Patio Door (7704)

**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 Sliding Patio Door (7704)**



US  
ENERGY STAR V  
6.0

CANADIAN ENERGY  
PERFORMANCE DATA



CANADA  
ENERGY  
STAR v 4.1

Grille Option	Glazing thickness	³NFRC Total Unit Calculations ⁴Glazing 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-279-00351-00001	0.45	0.62	0.64	44					2.56	0.6	0.86	18			
	3/4"	Insul Low-E	WEA-N-279-00352-00001	0.32	0.31	0.55	54					1.82	0.6	0.86	16			
	3/4"	Insul Low E w/Argon	WEA-N-279-00358-00001	0.28	0.30	0.55	57		Y			1.59	0.6	0.86	21	Y		
	3/4"	Passive Solar	WEA-N-279-00301-00001	0.32	0.54	0.62	55					1.82	0.6	0.09	31	Y	Y	
	3/4"	Passive Solar w/Argon	WEA-N-279-00322-00001	0.29	0.54	0.62	58					1.65	0.6	0.09	35	Y	Y	Y
	3/4"	Zo-e-shield 5	WEA-N-279-00353-00001	0.31	0.22	0.49	54				Y	1.76	0.6	0.86	12			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-279-00359-00001	0.28	0.22	0.49	57		Y	Y	Y	1.59	0.6	0.86	16	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-279-00268-00001	0.26	0.21	0.49	45	Y	Y	Y	Y	1.48	0.6	0.09	20	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-279-00286-00001	0.23	0.21	0.49	48	Y	Y	Y	Y	1.31	0.6	0.09	23	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-279-00271-00001	0.32	0.22	0.50	54					1.82	0.6	0.09	13			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-279-00289-00001	0.28	0.22	0.50	57	Y	Y	Y	Y	1.59	0.6	0.09	18	Y		
	3/4"	Zo-e SafeGuard Certified	WEA-N-279-00275-00001	0.32	0.22	0.50	54					1.82	0.6	0.09	13			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-279-00293-00001	0.28	0.22	0.50	58	Y	Y	Y	Y	1.59	0.6	0.09	18	Y		
	3/4"	Insul Low-E 240	WEA-N-279-00308-00001	0.32	0.21	0.31	55					1.82	0.6	0.09	12			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-279-00329-00001	0.28	0.20	0.31	58	Y	Y	Y	Y	1.59	0.6	0.09	17	Y		
	Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-279-00351-00002	0.45	0.54	0.56	44					2.56	0.6	0.86	13		
3/4"		Insul Low-E	WEA-N-279-00352-00002	0.32	0.27	0.48	54					1.82	0.6	0.86	14			
3/4"		Insul Low E w/Argon	WEA-N-279-00358-00002	0.28	0.27	0.48	57		Y			1.59	0.6	0.86	19	Y		
3/4"		Passive Solar	WEA-N-279-00301-00002	0.32	0.47	0.54	55					1.82	0.6	0.09	27	Y		
3/4"		Passive Solar w/Argon	WEA-N-279-00322-00002	0.29	0.48	0.54	58					1.65	0.6	0.09	31	Y	Y	
3/4"		Zo-e-shield 5	WEA-N-279-00353-00002	0.31	0.20	0.42	54				Y	1.76	0.6	0.86	11			
3/4"		Zo-e-shield 5 w/ Argon	WEA-N-279-00359-00002	0.28	0.20	0.42	57		Y	Y	Y	1.59	0.6	0.86	15			
3/4"		Zo-e-shield 5 Extreme	WEA-N-279-00268-00002	0.26	0.19	0.43	45	Y	Y	Y	Y	1.48	0.6	0.09	18	Y		
3/4"		Zo-e-shield 5 Extreme w/ Argon	WEA-N-279-00286-00002	0.23	0.19	0.43	48	Y	Y	Y	Y	1.31	0.6	0.09	22	Y	Y	
3/4"		Zo-e-shield 6	WEA-N-279-00272-00001	0.34	0.20	0.44	54					1.93	0.6	0.09	9			
3/4"		Zo-e-shield 6 w/ Argon	WEA-N-279-00290-00001	0.30	0.19	0.44	57	Y	Y	Y	Y	1.70	0.6	0.09	14			
3/4"		Zo-e SafeGuard Certified	WEA-N-279-00276-00001	0.34	0.20	0.43	54					1.93	0.6	0.09	9			
3/4"		Zo-e SafeGuard Certified w/ Argon	WEA-N-279-00294-00001	0.29	0.19	0.43	58	Y	Y	Y	Y	1.65	0.6	0.09	15			
3/4"		Insul Low-E 240	WEA-N-279-00308-00002	0.32	0.18	0.27	55					1.82	0.6	0.09	10			
3/4"		Insul Low-E 240 w/Argon	WEA-N-279-00329-00002	0.28	0.18	0.27	58	Y	Y	Y	Y	1.59	0.6	0.09	15			
3/4"		Insul Low-E 340	WEA-N-279-00315-00002	0.31	0.13	0.27	56					1.76	0.6	0.09	9			
3/4"	Insul Low-E 340 w/Argon	WEA-N-279-00336-00002	0.28	0.13	0.27	59	Y	Y	Y	Y	1.59	0.6	0.09	13				
3/4"	Bronze Low E	WEA-N-279-00251-00012	0.31	0.28	0.36	56					1.76	0.6	0.09	17				
3/4"	Bronze Low E w/Argon	WEA-N-279-00258-00012	0.28	0.27	0.36	59	Y	Y			1.59	0.6	0.09	21	Y			