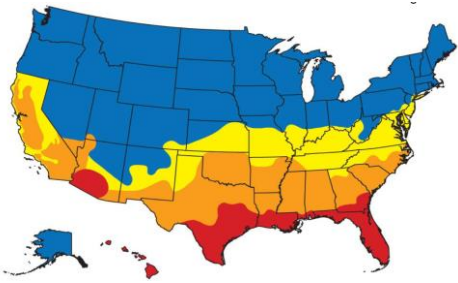
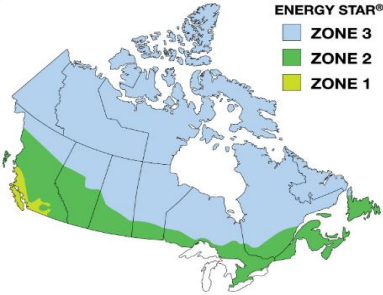


US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>As of January 2016</p>	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
		=0.30	>=0.42	
	North-Central	<=0.30	<=0.40	
South-Central	<=0.30	<=0.25		
	Southern	<=0.40	<=0.25	

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
 <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 Slider Windows (7405)**



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-278-00308-00001	0.45	0.58	0.60	44					2.56	0.6	1.02	15				
	3/4"	Insul Low-E	WEA-N-278-00309-00001	0.32	0.29	0.51	55					1.82	0.6	1.02	15				
	3/4"	Insul Low E w/Argon	WEA-N-278-00315-00001	0.28	0.28	0.51	59		Y			1.59	0.6	1.02	19	Y			
	3/4"	Passive Solar	WEA-N-278-00267-00001	0.33	0.50	0.58	56					1.87	0.6	1.02	26	Y			
	3/4"	Passive Solar w/Argon	WEA-N-278-00288-00001	0.29	0.51	0.58	59	Y				1.65	0.6	1.02	31	Y	Y		
	3/4"	Zo-e-shield 5	WEA-N-278-00310-00001	0.32	0.21	0.45	55				Y	1.82	0.6	1.02	10				
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-278-00316-00001	0.28	0.21	0.45	59		Y	Y	Y	1.59	0.6	1.02	15				
	3/4"	Zo-e-shield 5 Extreme	WEA-N-278-00236-00001	0.27	0.20	0.46	45	Y	Y	Y	Y	1.53	0.6	1.02	16	Y			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-278-00252-00001	0.24	0.20	0.46	48	Y	Y	Y	Y	1.36	0.6	1.02	20	Y			
	3/4"	Zo-e-shield 6	WEA-N-278-00238-00001	0.33	0.21	0.47	54				Y	1.87	0.6	1.02	9				
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-278-00254-00001	0.28	0.20	0.47	58		Y	Y	Y	1.59	0.6	1.02	15				
	3/4"	Zo-e SafeGuard Certified	WEA-N-278-00242-00001	0.32	0.21	0.46	55				Y	1.82	0.6	1.02	10				
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-278-00258-00001	0.28	0.20	0.46	58		Y	Y	Y	1.59	0.6	1.02	15				
	3/4"	Insul Low-E 240	WEA-N-278-00274-00001	0.32	0.19	0.29	56				Y	1.82	0.6	1.02	9				
	Less Than 1" GIA or SDL	3/4"	Insul Low-E 240 w/Argon	WEA-N-278-00295-00001	0.29	0.19	0.29	59		Y	Y	Y	1.65	0.6	1.02	13			
		3/4"	Insul Low-E 340	WEA-N-278-00281-00001	0.32	0.14	0.28	56				Y	1.82	0.6	1.02	6			
3/4"		Insul Low-E 340 w/Argon	WEA-N-278-00302-00001	0.28	0.13	0.28	59		Y	Y	Y	1.59	0.6	1.02	11				
3/4"		Bronze Low E	WEA-N-278-00222-00007	0.32	0.29	0.39	56					1.82	0.6	1.02	15				
3/4"		Bronze Low E w/Argon	WEA-N-278-00228-00007	0.29	0.29	0.39	59		Y			1.65	0.6	1.02	19				
3/4"		Clear Insul	WEA-N-278-00308-00002	0.45	0.52	0.53	44					2.56	0.6	1.02	12				
3/4"		Insul Low-E	WEA-N-278-00309-00002	0.32	0.26	0.46	55					1.82	0.6	1.02	13				
3/4"		Insul Low E w/Argon	WEA-N-278-00315-00002	0.28	0.26	0.46	59		Y			1.59	0.6	1.02	18	Y			
3/4"		Passive Solar	WEA-N-278-00267-00002	0.33	0.45	0.52	56					1.87	0.6	1.02	23				
3/4"		Passive Solar w/Argon	WEA-N-278-00288-00002	0.29	0.45	0.52	59	Y				1.65	0.6	1.02	28	Y			
3/4"		Zo-e-shield 5	WEA-N-278-00310-00002	0.32	0.19	0.40	55				Y	1.82	0.6	1.02	9				
3/4"		Zo-e-shield 5 w/ Argon	WEA-N-278-00316-00002	0.28	0.19	0.40	59		Y	Y	Y	1.59	0.6	1.02	14				
3/4"		Zo-e-shield 5 Extreme	WEA-N-278-00236-00002	0.27	0.18	0.41	45	Y	Y	Y	Y	1.53	0.6	1.02	15				
3/4"		Zo-e-shield 5 Extreme w/ Argon	WEA-N-278-00252-00002	0.24	0.18	0.41	48	Y	Y	Y	Y	1.36	0.6	1.02	19	Y			
3/4"		Zo-e-shield 6	WEA-N-278-00239-00001	0.34	0.19	0.41	54				Y	1.93	0.6	1.02	7				
3/4"		Zo-e-shield 6 w/ Argon	WEA-N-278-00255-00001	0.29	0.18	0.41	58		Y	Y	Y	1.65	0.6	1.02	12				
3/4"	Zo-e SafeGuard Certified	WEA-N-278-00243-00001	0.33	0.19	0.41	55				Y	1.87	0.6	1.02	8					
3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-278-00259-00001	0.29	0.18	0.41	58		Y	Y	Y	1.65	0.6	1.02	12					
3/4"	Insul Low-E 240	WEA-N-278-00274-00002	0.32	0.17	0.26	56				Y	1.82	0.6	1.02	8					
3/4"	Insul Low-E 240 w/Argon	WEA-N-278-00295-00002	0.29	0.17	0.26	59		Y	Y	Y	1.65	0.6	1.02	12					
3/4"	Insul Low-E 340	WEA-N-278-00281-00002	0.32	0.13	0.25	56				Y	1.82	0.6	1.02	6					
3/4"	Insul Low-E 340 w/Argon	WEA-N-278-00302-00002	0.28	0.12	0.25	59		Y	Y	Y	1.59	0.6	1.02	10					
3/4"	Bronze Low E	WEA-N-278-00222-00008	0.32	0.26	0.35	56					1.82	0.6	1.02	13					
3/4"	Bronze Low E w/Argon	WEA-N-278-00228-00008	0.29	0.26	0.35	59		Y			1.65	0.6	1.02	17					