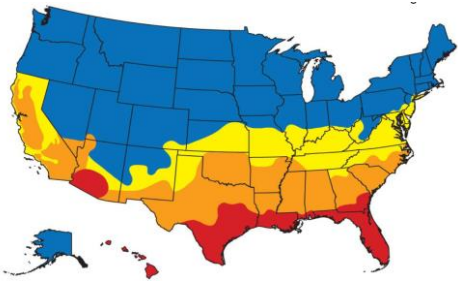
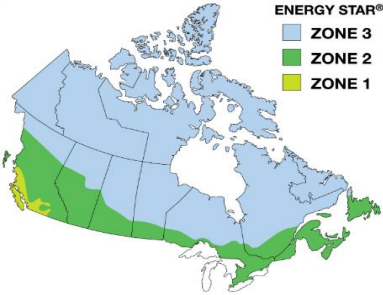


US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>As of January 2016</p>	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
	North-Central	=0.30	>=0.42	
		<=0.30	<=0.40	
	South-Central	<=0.30	<=0.25	
Southern	<=0.40	<=0.25		

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
 <p>ENERGY STAR® ZONE 3 ZONE 2 ZONE 1</p> <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**

**Premium Slider Windows (8401)**



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-250-00526-00001	0.47	0.58	0.61	42					2.67	0.6	0.41	14			
	3/4"	Insul Low-E	WEA-N-250-00527-00001	0.34	0.31	0.53	52					1.93	0.6	0.41	15			
	3/4"	Insul Low E w/Argon	WEA-N-250-00535-00001	0.31	0.31	0.53	55					1.76	0.6	0.41	19			
	3/4"	Passive Solar	WEA-N-250-00530-00001	0.35	0.51	0.58	51					1.99	0.6	0.41	25	Y		
	3/4"	Passive Solar w/Argon	WEA-N-250-00538-00001	0.32	0.51	0.58	54					1.82	0.6	0.41	29	Y		
	3/4"	Passive Solar Extreme	WEA-N-250-00531-00001	0.30	0.46	0.57	40	Y				1.70	0.6	0.41	29	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-250-00539-00001	0.28	0.46	0.57	43	Y				1.59	0.6	0.41	31	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-250-00528-00001	0.34	0.21	0.48	52				Y	1.93	0.6	0.41	9			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-250-00536-00001	0.30	0.20	0.48	55		Y	Y	Y	1.70	0.6	0.41	14			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-250-00529-00001	0.29	0.20	0.47	41		Y	Y	Y	1.65	0.6	0.41	15			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-250-00537-00001	0.27	0.20	0.47	44	Y	Y	Y	Y	1.53	0.6	0.41	17	Y		
	3/4"	Zo-e-shield 6	WEA-N-250-00562-00001	0.35	0.21	0.47	50				Y	1.99	0.6	0.41	8			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-250-00578-00001	0.30	0.21	0.47	54		Y	Y	Y	1.70	0.6	0.41	14			
	3/4"	Zo-e SafeGuard Certified	WEA-N-250-00572-00001	0.34	0.21	0.47	51				Y	1.93	0.6	0.41	9			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-250-00588-00001	0.30	0.21	0.47	54		Y	Y	Y	1.70	0.6	0.41	14			
	3/4"	Insul Low-E 240	WEA-N-250-00532-00001	0.35	0.20	0.30	51				Y	1.99	0.6	0.41	7			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-250-00540-00001	0.31	0.19	0.30	54				Y	1.76	0.6	0.41	12			
	3/4"	Insul Low-E 340	WEA-N-250-00533-00001	0.34	0.14	0.29	52				Y	1.93	0.6	0.41	5			
3/4"	Insul Low-E 340 w/Argon	WEA-N-250-00541-00001	0.30	0.14	0.29	55		Y	Y	Y	1.70	0.6	0.41	10				
3/4"	Bronze Low E	WEA-N-250-00527-00011	0.34	0.30	0.40	52					1.93	0.6	0.41	14				
3/4"	Bronze Low E w/Argon	WEA-N-250-00535-00011	0.31	0.29	0.40	55					1.76	0.6	0.41	17				
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-250-00526-00002	0.47	0.52	0.54	42					2.67	0.6	0.41	11			
	3/4"	Insul Low-E	WEA-N-250-00527-00002	0.34	0.28	0.47	52					1.93	0.6	0.41	13			
	3/4"	Insul Low E w/Argon	WEA-N-250-00535-00002	0.31	0.28	0.47	55					1.76	0.6	0.41	17			
	3/4"	Passive Solar	WEA-N-250-00530-00002	0.35	0.46	0.52	51					1.99	0.6	0.41	22			
	3/4"	Passive Solar w/Argon	WEA-N-250-00538-00002	0.32	0.46	0.52	54					1.82	0.6	0.41	26	Y		
	3/4"	Passive Solar Extreme	WEA-N-250-00531-00002	0.30	0.41	0.51	40					1.70	0.6	0.41	26	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-250-00539-00002	0.28	0.42	0.51	43	Y				1.59	0.6	0.41	29	Y		
	3/4"	Zo-e-shield 5	WEA-N-250-00528-00002	0.34	0.19	0.42	52				Y	1.93	0.6	0.41	8			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-250-00536-00002	0.30	0.19	0.42	55		Y	Y	Y	1.70	0.6	0.41	13			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-250-00529-00002	0.29	0.18	0.42	41		Y	Y	Y	1.65	0.6	0.41	13			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-250-00537-00002	0.27	0.18	0.42	44	Y	Y	Y	Y	1.53	0.6	0.41	16	Y		
	3/4"	Zo-e-shield 6	WEA-N-250-00563-00001	0.36	0.19	0.42	50				Y	2.04	0.6	0.41	5			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-250-00579-00001	0.32	0.19	0.42	54				Y	1.82	0.6	0.41	10			
	3/4"	Zo-e SafeGuard Certified	WEA-N-250-00573-00001	0.36	0.19	0.42	51				Y	2.04	0.6	0.41	5			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-250-00589-00001	0.32	0.19	0.42	54				Y	1.82	0.6	0.41	10			
	3/4"	Insul Low-E 240	WEA-N-250-00532-00002	0.35	0.18	0.26	51				Y	1.99	0.6	0.41	6			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-250-00540-00002	0.31	0.17	0.26	54				Y	1.76	0.6	0.41	10			
	3/4"	Insul Low-E 340	WEA-N-250-00533-00002	0.34	0.13	0.25	52				Y	1.93	0.6	0.41	4			
3/4"	Insul Low-E 340 w/Argon	WEA-N-250-00541-00002	0.30	0.12	0.25	55		Y	Y	Y	1.70	0.6	0.41	9				
3/4"	Bronze Low E	WEA-N-250-00527-00012	0.34	0.27	0.35	52					1.93	0.6	0.41	13				
3/4"	Bronze Low E w/Argon	WEA-N-250-00535-00012	0.31	0.26	0.35	55					1.76	0.6	0.41	16				
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-250-00526-00003	0.47	0.46	0.48	42					2.67	0.6	0.41	7			
	3/4"	Insul Low-E	WEA-N-250-00527-00003	0.34	0.25	0.42	52				Y	1.93	0.6	0.41	11			
	3/4"	Insul Low E w/Argon	WEA-N-250-00535-00003	0.31	0.25	0.42	55				Y	1.76	0.6	0.41	15			
	3/4"	Passive Solar	WEA-N-250-00530-00003	0.35	0.41	0.46	51					1.99	0.6	0.41	19			
	3/4"	Passive Solar w/Argon	WEA-N-250-00538-00003	0.32	0.41	0.46	54					1.82	0.6	0.41	23			
	3/4"	Passive Solar Extreme	WEA-N-250-00531-00003	0.30	0.37	0.45	40			Y		1.70	0.6	0.41	23			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-250-00539-00003	0.28	0.37	0.45	43	Y	Y			1.59	0.6	0.41	26	Y		
	3/4"	Zo-e-shield 5	WEA-N-250-00528-00003	0.34	0.17	0.37	52				Y	1.93	0.6	0.41	7			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-250-00536-00003	0.30	0.17	0.37	55		Y	Y	Y	1.70	0.6	0.41	12			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-250-00529-00003	0.29	0.17	0.37	41		Y	Y	Y	1.65	0.6	0.41	13			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-250-00537-00003	0.27	0.16	0.37	44	Y	Y	Y	Y	1.53	0.6	0.41	15			
	3/4"	Zo-e-shield 6	WEA-N-250-00563-00002	0.36	0.17	0.37	50				Y	2.04	0.6	0.41	4			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-250-00579-00002	0.32	0.17	0.37	54				Y	1.82	0.6	0.41	9			
	3/4"	Zo-e SafeGuard Certified	WEA-N-250-00573-00002	0.36	0.17	0.37	51				Y	2.04	0.6	0.41	4			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-250-00589-00002	0.32	0.17	0.37	54				Y	1.82	0.6	0.41	9			
	3/4"	Insul Low-E 240	WEA-N-250-00532-00003	0.35	0.16	0.23	51				Y	1.99	0.6	0.41	5			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-250-00540-00003	0.31	0.16	0.23	54				Y	1.76	0.6	0.41	10			
	3/4"	Insul Low-E 340	WEA-N-250-00533-00003	0.34	0.12	0.22	52				Y	1.93	0.6	0.41	4			
3/4"	Insul Low-E 340 w/Argon	WEA-N-250-00541-00003	0.30	0.11	0.22	55		Y	Y	Y	1.70	0.6	0.41	8				
3/4"	Bronze Low E	WEA-N-250-00527-00013	0.34	0.24	0.31	52				Y	1.93	0.6	0.41	11				
3/4"	Bronze Low E w/Argon	WEA-N-250-00535-00013	0.31	0.24	0.31	55				Y	1.76	0.6	0.41	15				