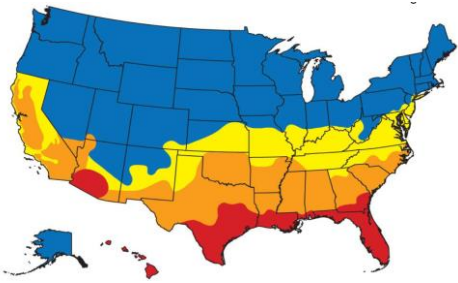
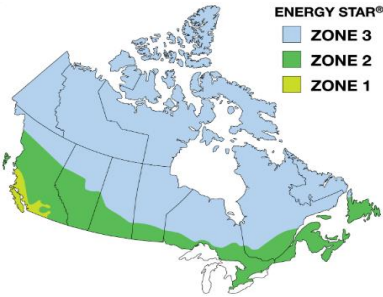


US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>As of January 2016</p>	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
	North-Central	=0.30	>=0.42	
		<=0.30	<=0.40	
	South-Central	<=0.30	<=0.25	
Southern	<=0.40	<=0.25		

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
 <p>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**.

^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

Signature Awning Windows (8219)



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 L/s/m²	Air Infiltration/Exfiltration Average	Energy Rating	1	2	3
No GIA or SDL	3/4"	Clear Insul	WEA-N-321-00280-00001	0.46	0.56	0.59	41					2.61	0.6	0.05	15			
	3/4"	Insul Low-E	WEA-N-321-00281-00001	0.33	0.28	0.50	51					1.87	0.6	0.05	15			
	3/4"	Insul Low E w/Argon	WEA-N-321-00287-00001	0.30	0.28	0.50	55		Y			1.70	0.6	0.05	19			
	3/4"	Passive Solar	WEA-N-321-00194-00001	0.34	0.50	0.57	52					1.93	0.6	0.50	26	Y		
	3/4"	Passive Solar w/Argon	WEA-N-321-00240-00001	0.31	0.50	0.57	55					1.76	0.6	0.50	29	Y	Y	
	3/4"	Passive Solar Extreme	WEA-N-321-00197-00001	0.29	0.45	0.56	40	Y				1.65	0.6	0.50	29	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-321-00243-00001	0.27	0.45	0.56	44	Y				1.53	0.6	0.50	32	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-321-00282-00001	0.33	0.21	0.45	51				Y	1.87	0.6	0.05	11			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-321-00288-00001	0.30	0.21	0.45	55		Y	Y	Y	1.70	0.6	0.05	15			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-321-00206-00001	0.29	0.20	0.45	41		Y	Y	Y	1.65	0.6	0.50	14			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-321-00252-00001	0.26	0.20	0.45	45	Y	Y	Y	Y	1.48	0.6	0.50	18	Y		
	3/4"	Zo-e-shield 6	WEA-N-321-00215-00001	0.35	0.21	0.46	50				Y	1.99	0.6	0.50	8			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-321-00258-00001	0.30	0.20	0.46	53		Y	Y	Y	1.70	0.6	0.50	13			
	3/4"	Zo-e SafeGuard Certified	WEA-N-321-00224-00001	0.34	0.21	0.46	50				Y	1.93	0.6	0.50	9			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-321-00267-00001	0.30	0.20	0.46	54		Y	Y	Y	1.70	0.6	0.50	13			
	1"	Zo-e-shield 7	WEA-N-321-00230-00001	0.26	0.19	0.37	63	Y	Y	Y	Y	1.48	0.6	0.50	18	Y		
	1"	Zo-e-shield 7 w/ Argon	WEA-N-321-00273-00001	0.23	0.18	0.37	67	Y	Y	Y	Y	1.31	0.6	0.50	21	Y	Y	
	3/4"	Insul Low-E 240	WEA-N-321-00200-00001	0.34	0.19	0.29	52				Y	1.93	0.6	0.50	8			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-321-00246-00001	0.30	0.19	0.29	55		Y	Y	Y	1.70	0.6	0.50	13			
	3/4"	Insul Low-E 340	WEA-N-321-00203-00001	0.33	0.14	0.28	52				Y	1.87	0.6	0.50	6			
3/4"	Insul Low-E 340 w/Argon	WEA-N-321-00249-00001	0.30	0.13	0.28	56		Y	Y	Y	1.70	0.6	0.50	9				
3/4"	Bronze Low E	WEA-N-321-00188-00011	0.33	0.29	0.38	52					1.87	0.6	0.50	15				
3/4"	Bronze Low E w/Argon	WEA-N-321-00234-00011	0.30	0.29	0.38	56		Y			1.70	0.6	0.50	19				
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-321-00280-00002	0.46	0.51	0.54	41					2.61	0.6	0.05	12			
	3/4"	Insul Low-E	WEA-N-321-00281-00002	0.33	0.26	0.46	51					1.87	0.6	0.05	14			
	3/4"	Insul Low E w/Argon	WEA-N-321-00287-00002	0.30	0.26	0.46	55		Y			1.70	0.6	0.05	18			
	3/4"	Passive Solar	WEA-N-321-00194-00002	0.34	0.45	0.52	52					1.93	0.6	0.50	23			
	3/4"	Passive Solar w/Argon	WEA-N-321-00240-00002	0.31	0.45	0.52	55					1.76	0.6	0.50	26	Y		
	3/4"	Passive Solar Extreme	WEA-N-321-00197-00002	0.29	0.41	0.50	40	Y				1.65	0.6	0.50	27	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-321-00243-00002	0.27	0.41	0.50	44	Y				1.53	0.6	0.50	29	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-321-00282-00002	0.33	0.19	0.40	51				Y	1.87	0.6	0.05	10			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-321-00288-00002	0.30	0.19	0.40	55		Y	Y	Y	1.70	0.6	0.05	14			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-321-00206-00002	0.29	0.18	0.41	41		Y	Y	Y	1.65	0.6	0.50	13			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-321-00252-00002	0.26	0.18	0.41	45	Y	Y	Y	Y	1.48	0.6	0.50	17	Y		
	3/4"	Zo-e-shield 6	WEA-N-321-00216-00001	0.36	0.19	0.41	50				Y	2.04	0.6	0.50	5			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-321-00259-00001	0.32	0.19	0.41	53				Y	1.82	0.6	0.50	10			
	3/4"	Zo-e SafeGuard Certified	WEA-N-321-00225-00001	0.36	0.19	0.41	50				Y	2.04	0.6	0.50	5			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-321-00268-00001	0.31	0.19	0.41	54				Y	1.76	0.6	0.50	11			
	1"	Zo-e-shield 7	WEA-N-321-00231-00001	0.26	0.17	0.34	64	Y	Y	Y	Y	1.48	0.6	0.50	16	Y		
	1"	Zo-e-shield 7 w/ Argon	WEA-N-321-00274-00001	0.23	0.17	0.34	67	Y	Y	Y	Y	1.31	0.6	0.50	20	Y	Y	
	3/4"	Insul Low-E 240	WEA-N-321-00200-00002	0.34	0.18	0.26	52				Y	1.93	0.6	0.50	7			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-321-00246-00002	0.30	0.17	0.26	55		Y	Y	Y	1.70	0.6	0.50	12			
	3/4"	Insul Low-E 340	WEA-N-321-00203-00002	0.33	0.13	0.25	52				Y	1.87	0.6	0.50	6			
3/4"	Insul Low-E 340 w/Argon	WEA-N-321-00249-00002	0.30	0.12	0.25	56		Y	Y	Y	1.70	0.6	0.50	9				
3/4"	Bronze Low E	WEA-N-321-00188-00012	0.33	0.27	0.35	52					1.87	0.6	0.50	14				
3/4"	Bronze Low E w/Argon	WEA-N-321-00234-00012	0.30	0.26	0.35	56		Y			1.70	0.6	0.50	17				
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-321-00280-00003	0.46	0.47	0.48	41					2.61	0.6	0.05	10			
	3/4"	Insul Low-E	WEA-N-321-00281-00003	0.33	0.24	0.41	51				Y	1.87	0.6	0.05	13			
	3/4"	Insul Low E w/Argon	WEA-N-321-00287-00003	0.30	0.24	0.41	55		Y	Y	Y	1.70	0.6	0.05	17			
	3/4"	Passive Solar	WEA-N-321-00194-00003	0.34	0.41	0.47	52					1.93	0.6	0.50	20			
	3/4"	Passive Solar w/Argon	WEA-N-321-00240-00003	0.31	0.41	0.47	55					1.76	0.6	0.50	24			
	3/4"	Passive Solar Extreme	WEA-N-321-00197-00003	0.29	0.37	0.45	40	Y	Y			1.65	0.6	0.50	24			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-321-00243-00003	0.27	0.38	0.45	44	Y	Y			1.53	0.6	0.50	27	Y		
	3/4"	Zo-e-shield 5	WEA-N-321-00282-00003	0.33	0.18	0.36	51				Y	1.87	0.6	0.05	9			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-321-00288-00003	0.30	0.17	0.36	55		Y	Y	Y	1.70	0.6	0.05	12			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-321-00206-00003	0.29	0.17	0.37	41		Y	Y	Y	1.65	0.6	0.50	13			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-321-00252-00003	0.26	0.17	0.37	45	Y	Y	Y	Y	1.48	0.6	0.50	16	Y		
	3/4"	Zo-e-shield 6	WEA-N-321-00216-00002	0.36	0.17	0.37	50				Y	2.04	0.6	0.50	4			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-321-00259-00002	0.32	0.17	0.37	53				Y	1.82	0.6	0.50	9			
	3/4"	Zo-e SafeGuard Certified	WEA-N-321-00225-00002	0.36	0.17	0.37	50				Y	2.04	0.6	0.50	4			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-321-00268-00002	0.31	0.17	0.37	54				Y	1.76	0.6	0.50	10			
	1"	Zo-e-shield 7	WEA-N-321-00231-00002	0.26	0.16	0.30	64	Y	Y	Y	Y	1.48	0.6	0.50	16			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-321-00274-00002	0.23	0.16	0.30	67	Y	Y	Y	Y	1.31	0.6	0.50	20	Y		
	3/4"	Insul Low-E 240	WEA-N-321-00200-00003	0.34	0.16	0.24	52				Y	1.93	0.6	0.50	6			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-321-00246-00003	0.30	0.16	0.24	55		Y	Y	Y	1.70	0.6	0.50	11			
	3/4"	Insul Low-E 340	WEA-N-321-00203-00003	0.33	0.12	0.23	52				Y	1.87	0.6	0.50	5			
3/4"	Insul Low-E 340 w/Argon	WEA-N-321-00249-00003	0.30	0.12	0.23	56		Y	Y	Y	1.70	0.6	0.50	9				
3/4"	Bronze Low E	WEA-N-321-00188-00013	0.33	0.24	0.31	52				Y	1.87	0.6	0.50	12				
3/4"	Bronze Low E w/Argon	WEA-N-321-00234-00013	0.30	0.24	0.31	56		Y	Y	Y	1.70	0.6	0.50	16				