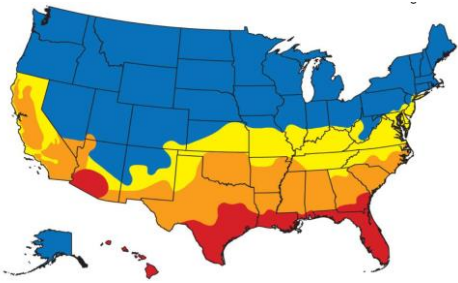
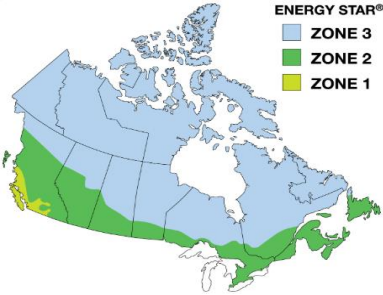


US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>As of January 2016</p>	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
	North-Central	=0.30	>=0.42	
		<=0.30	<=0.40	
	South-Central	<=0.30	<=0.25	
Southern	<=0.40	<=0.25		

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

Weather Shield Direct-Set Windows (630)



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-229-00821-00001	0.46	0.70	0.73	44					2.61	0.6	0.05	23				
	3/4"	Insul Low-E	WEA-N-229-00822-00001	0.31	0.34	0.63	56					1.76	0.6	0.05	21				
	3/4"	Insul Low E w/Argon	WEA-N-229-00828-00001	0.26	0.34	0.63	60	Y	Y			1.48	0.6	0.05	27	Y			
	3/4"	Passive Solar	WEA-N-229-00729-00001	0.31	0.61	0.71	57					1.76	0.6	1.10	35	Y	Y	Y	
	3/4"	Passive Solar w/Argon	WEA-N-229-00771-00001	0.27	0.61	0.71	60	Y				1.53	0.6	1.10	40	Y	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-229-00823-00001	0.30	0.25	0.55	56		Y	Y	Y	Y	1.70	0.6	0.05	17			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-229-00829-00001	0.26	0.25	0.55	60	Y	Y	Y	Y	1.48	0.6	0.05	22	Y			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-229-00666-00001	0.24	0.24	0.56	46	Y	Y	Y	Y	1.36	0.6	1.10	22	Y	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-229-00701-00001	0.21	0.24	0.56	50	Y	Y	Y	Y	1.19	0.6	1.10	26	Y	Y	Y	
	1"	Zo-e-shield 6	WEA-N-229-00675-00001	0.30	0.24	0.57	58		Y	Y	Y	Y	1.70	0.6	1.10	14			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-229-00710-00001	0.26	0.24	0.57	62	Y	Y	Y	Y	1.48	0.6	1.10	19	Y			
	1"	Zo-e SafeGuard Certified	WEA-N-229-00682-00001	0.30	0.24	0.56	52		Y	Y	Y	Y	1.70	0.6	1.10	14			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-229-00717-00001	0.26	0.24	0.56	62	Y	Y	Y	Y	1.48	0.6	1.10	19	Y			
	3/4"	Insul Low-E 240	WEA-N-229-00743-00001	0.31	0.23	0.36	57				Y	1.76	0.6	1.10	13				
	3/4"	Insul Low-E 240 w/Argon	WEA-N-229-00785-00001	0.27	0.22	0.36	60	Y	Y	Y	Y	1.53	0.6	1.10	17	Y			
	Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-229-00821-00002	0.46	0.63	0.66	44					2.61	0.6	0.05	19			
3/4"		Insul Low-E	WEA-N-229-00822-00002	0.31	0.31	0.56	56					1.76	0.6	0.05	19				
3/4"		Insul Low E w/Argon	WEA-N-229-00828-00002	0.26	0.31	0.56	60	Y	Y			1.48	0.6	0.05	25	Y			
3/4"		Passive Solar	WEA-N-229-00729-00002	0.31	0.55	0.63	57					1.76	0.6	1.10	31	Y	Y		
3/4"		Passive Solar w/Argon	WEA-N-229-00771-00002	0.27	0.55	0.63	60	Y				1.53	0.6	1.10	36	Y	Y	Y	
3/4"		Zo-e-shield 5	WEA-N-229-00823-00002	0.30	0.23	0.50	56		Y	Y	Y	Y	1.70	0.6	0.05	16			
3/4"		Zo-e-shield 5 w/ Argon	WEA-N-229-00829-00002	0.26	0.23	0.50	60	Y	Y	Y	Y	1.48	0.6	0.05	21	Y			
3/4"		Zo-e-shield 5 Extreme	WEA-N-229-00666-00002	0.24	0.22	0.51	46	Y	Y	Y	Y	1.36	0.6	1.10	21	Y	Y		
3/4"		Zo-e-shield 5 Extreme w/ Argon	WEA-N-229-00701-00002	0.21	0.22	0.51	50	Y	Y	Y	Y	1.19	0.6	1.10	24	Y	Y	Y	
1"		Zo-e-shield 6	WEA-N-229-00675-00002	0.30	0.22	0.51	58		Y	Y	Y	Y	1.70	0.6	1.10	13			
1"		Zo-e-shield 6 w/ Argon	WEA-N-229-00710-00002	0.26	0.22	0.51	62	Y	Y	Y	Y	1.48	0.6	1.10	18	Y			
1"		Zo-e SafeGuard Certified	WEA-N-229-00682-00002	0.30	0.22	0.50	52		Y	Y	Y	Y	1.70	0.6	1.10	13			
1"		Zo-e SafeGuard Certified w/ Argon	WEA-N-229-00717-00002	0.26	0.22	0.50	62	Y	Y	Y	Y	1.48	0.6	1.10	18	Y			
3/4"		Insul Low-E 240	WEA-N-229-00743-00002	0.31	0.21	0.32	57				Y	1.76	0.6	1.10	11				
3/4"		Insul Low-E 240 w/Argon	WEA-N-229-00785-00002	0.27	0.20	0.32	60	Y	Y	Y	Y	1.53	0.6	1.10	16				
3/4"		Insul Low-E 340	WEA-N-229-00757-00002	0.30	0.15	0.31	57		Y	Y	Y	Y	1.70	0.6	1.10	9			
3/4"	Insul Low-E 340 w/Argon	WEA-N-229-00799-00002	0.26	0.15	0.31	61	Y	Y	Y	Y	1.48	0.6	1.10	14					
3/4"	Bronze Low E	WEA-N-229-00597-00002	0.30	0.32	0.43	57		Y			1.70	0.6	1.10	19					
3/4"	Bronze Low E w/Argon	WEA-N-229-00632-00002	0.26	0.32	0.43	61	Y	Y			1.48	0.6	1.10	24	Y				
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-229-00821-00003	0.46	0.57	0.59	44					2.61	0.6	0.05	16				
	3/4"	Insul Low-E	WEA-N-229-00822-00003	0.31	0.28	0.50	56					1.76	0.6	0.05	18				
	3/4"	Insul Low E w/Argon	WEA-N-229-00828-00003	0.26	0.28	0.50	60	Y	Y			1.48	0.6	0.05	24	Y			
	3/4"	Passive Solar	WEA-N-229-00729-00003	0.31	0.49	0.57	57					1.76	0.6	1.10	28	Y			
	3/4"	Passive Solar w/Argon	WEA-N-229-00771-00003	0.27	0.50	0.57	60	Y				1.53	0.6	1.10	33	Y	Y		
	3/4"	Zo-e-shield 5	WEA-N-229-00823-00003	0.30	0.21	0.44	56		Y	Y	Y	Y	1.70	0.6	0.05	15			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-229-00829-00003	0.26	0.21	0.44	60	Y	Y	Y	Y	1.48	0.6	0.05	20	Y			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-229-00666-00003	0.24	0.20	0.45	46	Y	Y	Y	Y	1.36	0.6	1.10	20	Y			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-229-00701-00003	0.21	0.20	0.45	50	Y	Y	Y	Y	1.19	0.6	1.10	23	Y	Y		
	1"	Zo-e-shield 6	WEA-N-229-00675-00003	0.30	0.20	0.45	58		Y	Y	Y	Y	1.70	0.6	1.10	12			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-229-00710-00003	0.26	0.20	0.45	62	Y	Y	Y	Y	1.48	0.6	1.10	17	Y			
	1"	Zo-e SafeGuard Certified	WEA-N-229-00682-00003	0.30	0.20	0.45	52		Y	Y	Y	Y	1.70	0.6	1.10	12			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-229-00717-00003	0.26	0.20	0.45	62	Y	Y	Y	Y	1.48	0.6	1.10	17	Y			
	3/4"	Insul Low-E 240	WEA-N-229-00743-00003	0.31	0.19	0.29	57				Y	1.76	0.6	1.10	10				
	3/4"	Insul Low-E 240 w/Argon	WEA-N-229-00785-00003	0.27	0.19	0.29	60	Y	Y	Y	Y	1.53	0.6	1.10	15				
	3/4"	Insul Low-E 340	WEA-N-229-00757-00003	0.30	0.14	0.28	57		Y	Y	Y	Y	1.70	0.6	1.10	9			
3/4"	Insul Low-E 340 w/Argon	WEA-N-229-00799-00003	0.26	0.13	0.28	61	Y	Y	Y	Y	1.48	0.6	1.10	13					
3/4"	Bronze Low E	WEA-N-229-00597-00003	0.30	0.29	0.38	57		Y			1.70	0.6	1.10	17					
3/4"	Bronze Low E w/Argon	WEA-N-229-00632-00003	0.26	0.29	0.38	61	Y	Y			1.48	0.6	1.10	22	Y				