

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**.

^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								ENERGY STAR		CANADIAN ENERGY PERFORMANCE DATA				ENERGY STAR					
Weather Shield Direct-Set Windows (630)								US ENERGY STAR V 6.0								CANADA ENERGY STAR v 4.1			
Grille Option	Glazing thickness	aNFRC Total Unit Calculations bGlazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 6.0				U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v 4.1			
								N	NC	SC	S					1	2	3	
No GIA or SDL	3/4"	Clear Insul	WEA-N-229-00915-00001	0.46	0.69	0.73	45					2.61	0.6	0.05	23				
	3/4"	Insul Low-E	WEA-N-229-00916-00001	0.30	0.37	0.64	57		Y			1.70	0.6	0.05	24				
	3/4"	Insul Low E w/Argon	WEA-N-229-00928-00001	0.26	0.37	0.64	60	Y	Y			1.48	0.6	0.05	29	Y			
	3/4"	Passive Solar	WEA-N-229-00919-00001	0.31	0.61	0.71	56					1.76	0.6	0.05	37	Y	Y	Y	
	3/4"	Passive Solar w/Argon	WEA-N-229-00931-00001	0.27	0.61	0.71	60	Y				1.53	0.6	0.05	42	Y	Y	Y	
	3/4"	Passive Solar Extreme	WEA-N-229-00920-00001	0.25	0.55	0.69	44	Y				1.42	0.6	0.05	41	Y	Y	Y	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-229-00932-00001	0.23	0.56	0.69	48	Y				1.31	0.6	0.05	44	Y	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-229-00917-00001	0.30	0.25	0.58	57		Y	Y	Y		1.70	0.6	0.05	17			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-229-00929-00001	0.26	0.24	0.58	61	Y	Y	Y	Y		1.48	0.6	0.05	21	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-229-00918-00001	0.24	0.24	0.56	45	Y	Y	Y	Y		1.36	0.6	0.05	24	Y	Y	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-229-00930-00001	0.21	0.24	0.56	49	Y	Y	Y	Y		1.19	0.6	0.05	28	Y	Y	Y
	1"	Zo-e-shield 6	WEA-N-229-01013-00001	0.30	0.24	0.57	58		Y	Y	Y		1.70	0.6	0.05	17			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-229-01021-00001	0.26	0.24	0.57	61	Y	Y	Y	Y		1.48	0.6	0.05	21	Y		
	1"	Zo-e SafeGuard Certified	WEA-N-229-01018-00001	0.30	0.24	0.56	58		Y	Y	Y		1.70	0.6	0.05	17			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-229-01026-00001	0.26	0.24	0.56	62	Y	Y	Y	Y		1.48	0.6	0.05	21	Y		
	3/4"	Zo-e-shield 7	WEA-N-229-00923-00001	0.23	0.22	0.46	66	Y	Y	Y	Y		1.31	0.6	0.05	24	Y	Y	
	3/4"	Zo-e-shield 7 w/ Argon	WEA-N-229-00935-00001	0.19	0.22	0.46	70	Y	Y	Y	Y		1.08	0.6	0.05	29	Y	Y	Y
	3/4"	Insul Low-E 240	WEA-N-229-00921-00001	0.31	0.23	0.36	56				Y		1.76	0.6	0.05	15			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-229-00933-00001	0.27	0.23	0.36	60	Y	Y	Y	Y		1.53	0.6	0.05	20	Y		
	3/4"	Insul Low-E 340	WEA-N-229-00922-00001	0.30	0.17	0.35	57		Y	Y	Y		1.70	0.6	0.05	12			
3/4"	Insul Low-E 340 w/Argon	WEA-N-229-00934-00001	0.26	0.16	0.35	61	Y	Y	Y	Y		1.48	0.6	0.05	17	Y			
3/4"	Bronze Low E	WEA-N-229-00916-00011	0.30	0.35	0.47	57		Y				1.70	0.6	0.05	23				
3/4"	Bronze Low E w/Argon	WEA-N-229-00928-00011	0.26	0.35	0.47	60	Y	Y				1.48	0.6	0.05	28	Y			
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-229-00915-00002	0.46	0.63	0.66	45					2.61	0.6	0.05	19				
	3/4"	Insul Low-E	WEA-N-229-00916-00002	0.30	0.34	0.58	57		Y			1.70	0.6	0.05	22				
	3/4"	Insul Low E w/Argon	WEA-N-229-00928-00002	0.26	0.33	0.58	60	Y	Y			1.48	0.6	0.05	27	Y			
	3/4"	Passive Solar	WEA-N-229-00919-00002	0.31	0.55	0.63	56					1.76	0.6	0.05	33	Y	Y		
	3/4"	Passive Solar w/Argon	WEA-N-229-00931-00002	0.27	0.55	0.63	60	Y				1.53	0.6	0.05	38	Y	Y	Y	
	3/4"	Passive Solar Extreme	WEA-N-229-00920-00002	0.25	0.50	0.62	44	Y				1.42	0.6	0.05	38	Y	Y	Y	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-229-00932-00002	0.23	0.50	0.62	48	Y				1.31	0.6	0.05	40	Y	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-229-00917-00002	0.30	0.22	0.52	57		Y	Y	Y		1.70	0.6	0.05	15			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-229-00929-00002	0.26	0.22	0.52	61	Y	Y	Y	Y		1.48	0.6	0.05	20	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-229-00918-00002	0.24	0.22	0.51	45	Y	Y	Y	Y		1.36	0.6	0.05	23	Y	Y	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-229-00930-00002	0.21	0.22	0.51	49	Y	Y	Y	Y		1.19	0.6	0.05	27	Y	Y	Y
	1"	Zo-e-shield 6	WEA-N-229-01013-00002	0.30	0.22	0.51	58		Y	Y	Y		1.70	0.6	0.05	15			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-229-01021-00002	0.26	0.22	0.51	61	Y	Y	Y	Y		1.48	0.6	0.05	20	Y		
	1"	Zo-e SafeGuard Certified	WEA-N-229-01018-00002	0.30	0.22	0.50	58		Y	Y	Y		1.70	0.6	0.05	15			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-229-01026-00002	0.26	0.22	0.50	62	Y	Y	Y	Y		1.48	0.6	0.05	20	Y		
	3/4"	Zo-e-shield 7	WEA-N-229-00924-00001	0.24	0.20	0.41	66	Y	Y	Y	Y		1.36	0.6	0.05	22	Y	Y	
	3/4"	Zo-e-shield 7 w/ Argon	WEA-N-229-00936-00001	0.19	0.20	0.41	70	Y	Y	Y	Y		1.08	0.6	0.05	28	Y	Y	Y
	3/4"	Insul Low-E 240	WEA-N-229-00921-00002	0.31	0.21	0.32	56				Y		1.76	0.6	0.05	13			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-229-00933-00002	0.27	0.21	0.32	60	Y	Y	Y	Y		1.53	0.6	0.05	19	Y		
	3/4"	Insul Low-E 340	WEA-N-229-00922-00002	0.30	0.15	0.31	57		Y	Y	Y		1.70	0.6	0.05	11			
3/4"	Insul Low-E 340 w/Argon	WEA-N-229-00934-00002	0.26	0.15	0.31	61	Y	Y	Y	Y		1.48	0.6	0.05	16	Y			
3/4"	Bronze Low E	WEA-N-229-00916-00012	0.30	0.32	0.43	57		Y				1.70	0.6	0.05	21				
3/4"	Bronze Low E w/Argon	WEA-N-229-00928-00012	0.26	0.32	0.43	60	Y	Y				1.48	0.6	0.05	26	Y			
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-229-00915-00003	0.46	0.56	0.59	45					2.61	0.6	0.05	15				
	3/4"	Insul Low-E	WEA-N-229-00916-00003	0.30	0.30	0.51	57		Y			1.70	0.6	0.05	20				
	3/4"	Insul Low E w/Argon	WEA-N-229-00928-00003	0.26	0.30	0.51	60	Y	Y			1.48	0.6	0.05	25	Y			
	3/4"	Passive Solar	WEA-N-229-00919-00003	0.31	0.49	0.57	56					1.76	0.6	0.05	30	Y	Y		
	3/4"	Passive Solar w/Argon	WEA-N-229-00931-00003	0.27	0.50	0.57	60	Y				1.53	0.6	0.05	35	Y	Y	Y	
	3/4"	Passive Solar Extreme	WEA-N-229-00920-00003	0.25	0.45	0.55	44	Y				1.42	0.6	0.05	35	Y	Y	Y	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-229-00932-00003	0.23	0.45	0.55	48	Y				1.31	0.6	0.05	37	Y	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-229-00917-00003	0.30	0.20	0.46	57		Y	Y	Y		1.70	0.6	0.05	14			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-229-00929-00003	0.26	0.20	0.46	61	Y	Y	Y	Y		1.48	0.6	0.05	19	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-229-00918-00003	0.24	0.20	0.45	45	Y	Y	Y	Y		1.36	0.6	0.05	22	Y	Y	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-229-00930-00003	0.21	0.20	0.45	49	Y	Y	Y	Y		1.19	0.6	0.05	25	Y	Y	Y
	1"	Zo-e-shield 6	WEA-N-229-01013-00003	0.30	0.20	0.46	58		Y	Y	Y		1.70	0.6	0.05	14			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-229-01021-00003	0.26	0.20	0.46	61	Y	Y	Y	Y		1.48	0.6	0.05	19	Y		
	1"	Zo-e SafeGuard Certified	WEA-N-229-01018-00003	0.30	0.20	0.45	58		Y	Y	Y		1.70	0.6	0.05	14			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-229-01026-00003	0.26	0.20	0.45	62	Y	Y	Y	Y		1.48	0.6	0.05	19	Y		
	3/4"	Zo-e-shield 7	WEA-N-229-00924-00002	0.24	0.19	0.37	66	Y	Y	Y	Y		1.36	0.6	0.05	21	Y	Y	
	3/4"	Zo-e-shield 7 w/ Argon	WEA-N-229-00936-00002	0.19	0.18	0.37	70	Y	Y	Y	Y		1.08	0.6	0.05	27	Y	Y	Y
	3/4"	Insul Low-E 240	WEA-N-229-00921-00003	0.31	0.19	0.29	56				Y		1.76	0.6	0.05	12			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-229-00933-00003	0.27	0.19	0.29	60	Y	Y	Y	Y		1.53	0.6	0.05	17	Y		
	3/4"	Insul Low-E 340	WEA-N-229-00922-00003	0.30	0.14	0.28	57		Y	Y	Y		1.70	0.6	0.05	11			
3/4"	Insul Low-E 340 w/Argon	WEA-N-229-00934-00003	0.26	0.13	0.28	61	Y	Y	Y	Y		1.48	0.6	0.05	15				
3/4"	Bronze Low E	WEA-N-229-00916-00013	0.30	0.29	0.38	57		Y				1.70	0.6	0.05	19				
3/4"	Bronze Low E w/Argon	WEA-N-229-00928-00013	0.26	0.29	0.38	60	Y	Y				1.48	0.6	0.05	24	Y			