



US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>Energy Star Version 7.0 Starting October 2023</p>	Northern	<=0.22	>=0.17	Prescriptive
		=0.23	>=0.35	Equivalent Energy Performance
		=0.24	>=0.40	
		=0.25		
		=0.26		
	North-Central	<=0.25	<=0.40	
South-Central	<=0.28	<=0.23		
Southern	<=0.32	<=0.23		

Canadian Qualification Criteria	U-Value	or	Energy Rating
 <p>Energy Star Version 5.0 starting January 2020</p>	<=1.22		>=34
	Air Leakage <= 1.5 L/s/m2		

**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 glass lite thicknesses.

ENERGY PERFORMANCE DATA																	
Premium Wood Double Hung Windows (6120)																	
Grille Option	Glazing thickness	NFRC Total Unit Calculations Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 7.0				CANADIAN ENERGY PERFORMANCE DATA					
								N	NC	SC	S	U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v5.0	
No GIA or SDL	3/4"	Clear Insul	WEA-N-329-00001-00001	0.46	0.55	0.58	43						2.61	1.5	0.07	14	
	3/4"	Insul Low-E	WEA-N-329-00002-00001	0.33	0.30	0.51	53						1.87	1.5	0.07	16	
	3/4"	Insul Low E w/Argon	WEA-N-329-00010-00001	0.30	0.30	0.51	56						1.70	1.5	0.07	20	
	3/4"	Passive Solar	WEA-N-329-00005-00001	0.34	0.49	0.56	52						1.93	1.5	0.07	26	
	3/4"	Passive Solar w/Argon	WEA-N-329-00013-00001	0.31	0.49	0.56	55						1.76	1.5	0.07	30	
	3/4"	Passive Solar Extreme	WEA-N-329-00006-00001	0.29	0.44	0.55	41						1.65	1.5	0.07	29	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-329-00014-00001	0.27	0.44	0.55	45						1.53	1.5	0.07	32	
	3/4"	Zo-e-shield 5	WEA-N-329-00003-00001	0.33	0.20	0.46	53						1.87	1.5	0.07	10	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-329-00011-00001	0.30	0.20	0.46	56					Y	1.70	1.5	0.07	14	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-329-00004-00001	0.28	0.19	0.45	42				Y	Y	1.59	1.5	0.07	16	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-329-00012-00001	0.26	0.19	0.45	46				Y	Y	1.48	1.5	0.07	18	
	1"	Zo-e-shield 6	WEA-N-329-00051-00001	0.33	0.20	0.45	55						1.87	1.5	0.07	10	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-329-00059-00001	0.30	0.19	0.45	58					Y	1.70	1.5	0.07	14	
	1"	Zo-e SafeGuard Certified	WEA-N-329-00056-00001	0.33	0.19	0.45	55						1.87	1.5	0.07	10	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-329-00064-00001	0.29	0.19	0.45	58					Y	1.65	1.5	0.07	15	
	1"	Zo-e-shield 7	WEA-N-329-00033-00001	0.27	0.18	0.37	63				Y	Y	1.53	1.5	0.07	17	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-329-00037-00001	0.24	0.18	0.37	66				Y	Y	1.36	1.5	0.07	20	
	3/4"	Insul Low-E 240	WEA-N-329-00007-00001	0.34	0.19	0.28	52						1.93	1.5	0.07	9	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-329-00015-00001	0.31	0.18	0.28	55					Y	1.76	1.5	0.07	12	
	3/4"	Insul Low-E 340	WEA-N-329-00008-00001	0.33	0.13	0.27	53						1.87	1.5	0.07	6	
3/4"	Insul Low-E 340 w/Argon	WEA-N-329-00016-00001	0.30	0.13	0.27	56					Y	1.70	1.5	0.07	10		
3/4"	Bronze Low E	WEA-N-329-00002-00011	0.33	0.28	0.38	53						1.87	1.5	0.07	15		
3/4"	Bronze Low E w/Argon	WEA-N-329-00010-00011	0.30	0.28	0.38	56						1.70	1.5	0.07	19		
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-329-00001-00002	0.46	0.49	0.52	43						2.61	1.5	0.07	11	
	3/4"	Insul Low-E	WEA-N-329-00002-00002	0.33	0.27	0.45	53						1.87	1.5	0.07	15	
	3/4"	Insul Low E w/Argon	WEA-N-329-00010-00002	0.30	0.26	0.45	56						1.70	1.5	0.07	18	
	3/4"	Passive Solar	WEA-N-329-00005-00002	0.34	0.43	0.50	52						1.93	1.5	0.07	22	
	3/4"	Passive Solar w/Argon	WEA-N-329-00013-00002	0.31	0.44	0.50	55						1.76	1.5	0.07	27	
	3/4"	Passive Solar Extreme	WEA-N-329-00006-00002	0.29	0.39	0.49	41						1.65	1.5	0.07	26	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-329-00014-00002	0.27	0.40	0.49	45						1.53	1.5	0.07	29	
	3/4"	Zo-e-shield 5	WEA-N-329-00003-00002	0.33	0.18	0.41	53						1.87	1.5	0.07	9	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-329-00011-00002	0.30	0.18	0.41	56					Y	1.70	1.5	0.07	13	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-329-00004-00002	0.28	0.17	0.40	42				Y	Y	1.59	1.5	0.07	15	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-329-00012-00002	0.26	0.17	0.40	46				Y	Y	1.48	1.5	0.07	17	
	1"	Zo-e-shield 6	WEA-N-329-00051-00002	0.33	0.18	0.40	55						1.87	1.5	0.07	9	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-329-00059-00002	0.30	0.17	0.40	58					Y	1.70	1.5	0.07	12	
	1"	Zo-e SafeGuard Certified	WEA-N-329-00056-00002	0.33	0.17	0.39	55						1.87	1.5	0.07	9	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-329-00064-00002	0.29	0.17	0.39	58					Y	1.65	1.5	0.07	14	
	1"	Zo-e-shield 7	WEA-N-329-00034-00001	0.27	0.16	0.32	63				Y	Y	1.53	1.5	0.07	16	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-329-00038-00001	0.24	0.16	0.32	66				Y	Y	1.36	1.5	0.07	19	
	3/4"	Insul Low-E 240	WEA-N-329-00007-00002	0.34	0.17	0.25	52						1.93	1.5	0.07	7	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-329-00015-00002	0.31	0.16	0.25	55					Y	1.76	1.5	0.07	11	
	3/4"	Insul Low-E 340	WEA-N-329-00008-00002	0.33	0.12	0.24	53						1.87	1.5	0.07	6	
3/4"	Insul Low-E 340 w/Argon	WEA-N-329-00016-00002	0.30	0.12	0.24	56					Y	1.70	1.5	0.07	10		
3/4"	Bronze Low E	WEA-N-329-00002-00012	0.33	0.25	0.34	53						1.87	1.5	0.07	13		
3/4"	Bronze Low E w/Argon	WEA-N-329-00010-00012	0.30	0.25	0.34	56						1.70	1.5	0.07	17		
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-329-00001-00003	0.46	0.44	0.45	43						2.61	1.5	0.07	8	
	3/4"	Insul Low-E	WEA-N-329-00002-00003	0.33	0.24	0.40	53						1.87	1.5	0.07	13	
	3/4"	Insul Low E w/Argon	WEA-N-329-00010-00003	0.30	0.24	0.40	56						1.70	1.5	0.07	16	
	3/4"	Passive Solar	WEA-N-329-00005-00003	0.34	0.38	0.44	52						1.93	1.5	0.07	20	
	3/4"	Passive Solar w/Argon	WEA-N-329-00013-00003	0.31	0.39	0.44	55						1.76	1.5	0.07	24	
	3/4"	Passive Solar Extreme	WEA-N-329-00006-00003	0.29	0.35	0.43	41						1.65	1.5	0.07	24	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-329-00014-00003	0.27	0.35	0.43	45						1.53	1.5	0.07	27	
	3/4"	Zo-e-shield 5	WEA-N-329-00003-00003	0.33	0.16	0.36	53						1.87	1.5	0.07	8	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-329-00011-00003	0.30	0.16	0.36	56					Y	1.70	1.5	0.07	12	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-329-00004-00003	0.28	0.16	0.35	42				Y	Y	1.59	1.5	0.07	14	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-329-00012-00003	0.26	0.16	0.35	46				Y	Y	1.48	1.5	0.07	17	
	1"	Zo-e-shield 6	WEA-N-329-00051-00003	0.33	0.16	0.35	55						1.87	1.5	0.07	8	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-329-00059-00003	0.30	0.16	0.35	58					Y	1.70	1.5	0.07	12	
	1"	Zo-e SafeGuard Certified	WEA-N-329-00056-00003	0.33	0.16	0.35	55						1.87	1.5	0.07	8	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-329-00064-00003	0.29	0.16	0.35	58					Y	1.65	1.5	0.07	13	
	1"	Zo-e-shield 7	WEA-N-329-00034-00002	0.27	0.15	0.28	63				Y	Y	1.53	1.5	0.07	15	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-329-00038-00002	0.24	0.15	0.28	66				Y	Y	1.36	1.5	0.07	19	
	3/4"	Insul Low-E 240	WEA-N-329-00007-00003	0.34	0.15	0.22	52						1.93	1.5	0.07	6	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-329-00015-00003	0.31	0.15	0.22	55					Y	1.76	1.5	0.07	10	
	3/4"	Insul Low-E 340	WEA-N-329-00008-00003	0.33	0.11	0.21	53						1.87	1.5	0.07	5	
3/4"	Insul Low-E 340 w/Argon	WEA-N-329-00016-00003	0.30	0.11	0.21	56					Y	1.70	1.5	0.07	9		
3/4"	Bronze Low E	WEA-N-329-00002-00013	0.33	0.23	0.30	53						1.87	1.5	0.07	12		
3/4"	Bronze Low E w/Argon	WEA-N-329-00010-00013	0.30	0.22	0.30	56					Y	1.70	1.5	0.07	15		