



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**.

^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 glass lite thicknesses.

ENERGY PERFORMANCE DATA												CANADIAN ENERGY PERFORMANCE DATA				
Premium Pocket Double Hung Windows (8121)																
Grille Option	Glazing thickness	^a NFRC Total Unit Calculations ^b Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 7.0				U-Value (metric)	Maximum Air Leakage L/s/m ²	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v5.0
								N	NC	SC	S					
No GIA or SDL	3/4"	Clear Insul	WEA-N-340-00001-00001	0.48	0.57	0.59	42					2.73	1.5	0.04	13	
	3/4"	Insul Low-E	WEA-N-340-00002-00001	0.35	0.31	0.52	52					1.99	1.5	0.04	14	
	3/4"	Insul Low E w/Argon	WEA-N-340-00010-00001	0.32	0.30	0.52	55					1.82	1.5	0.04	17	
	3/4"	Passive Solar	WEA-N-340-00005-00001	0.36	0.50	0.57	52					2.04	1.5	0.04	24	
	3/4"	Passive Solar w/Argon	WEA-N-340-00013-00001	0.33	0.50	0.57	55					1.87	1.5	0.04	28	
	3/4"	Passive Solar Extreme	WEA-N-340-00006-00001	0.31	0.45	0.56	40					1.76	1.5	0.04	27	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-340-00014-00001	0.29	0.45	0.56	43					1.65	1.5	0.04	30	
	3/4"	Zo-e-shield 5	WEA-N-340-00003-00001	0.35	0.20	0.47	52					1.99	1.5	0.04	8	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-340-00011-00001	0.32	0.20	0.47	55				Y	1.82	1.5	0.04	12	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-340-00004-00001	0.30	0.20	0.46	41				Y	1.70	1.5	0.04	14	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-340-00012-00001	0.28	0.20	0.46	45			Y	Y	1.59	1.5	0.04	17	
	1"	Zo-e-shield 6	WEA-N-340-00037-00001	0.36	0.21	0.46	50					2.04	1.5	0.04	7	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-340-00053-00001	0.32	0.20	0.46	53				Y	1.82	1.5	0.04	12	
	1"	Zo-e SafeGuard Certified	WEA-N-340-00047-00001	0.36	0.20	0.45	50					2.04	1.5	0.04	7	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-340-00063-00001	0.32	0.20	0.45	53				Y	1.82	1.5	0.04	12	
	3/4"	Insul Low-E 240	WEA-N-340-00007-00001	0.36	0.19	0.29	52					2.04	1.5	0.04	6	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-340-00015-00001	0.33	0.19	0.29	55					1.87	1.5	0.04	10	
3/4"	Insul Low-E 340	WEA-N-340-00008-00001	0.35	0.14	0.28	52					1.99	1.5	0.04	4		
3/4"	Insul Low-E 340 w/Argon	WEA-N-340-00016-00001	0.32	0.13	0.28	55				Y	1.82	1.5	0.04	8		
3/4"	Bronze Low E	WEA-N-340-00002-00011	0.35	0.29	0.39	52					1.99	1.5	0.04	13		
3/4"	Bronze Low E w/Argon	WEA-N-340-00010-00011	0.32	0.29	0.39	55					1.82	1.5	0.04	17		
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-340-00001-00002	0.48	0.51	0.53	42					2.73	1.5	0.04	10	
	3/4"	Insul Low-E	WEA-N-340-00002-00002	0.35	0.27	0.46	52					1.99	1.5	0.04	12	
	3/4"	Insul Low E w/Argon	WEA-N-340-00010-00002	0.32	0.27	0.46	55					1.82	1.5	0.04	16	
	3/4"	Passive Solar	WEA-N-340-00005-00002	0.36	0.44	0.51	52					2.04	1.5	0.04	21	
	3/4"	Passive Solar w/Argon	WEA-N-340-00013-00002	0.33	0.45	0.51	55					1.87	1.5	0.04	25	
	3/4"	Passive Solar Extreme	WEA-N-340-00006-00002	0.31	0.40	0.49	40					1.76	1.5	0.04	24	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-340-00014-00002	0.29	0.41	0.49	43					1.65	1.5	0.04	27	
	3/4"	Zo-e-shield 5	WEA-N-340-00003-00002	0.35	0.18	0.41	52					1.99	1.5	0.04	7	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-340-00011-00002	0.32	0.18	0.41	55				Y	1.82	1.5	0.04	10	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-340-00004-00002	0.30	0.18	0.40	41				Y	1.70	1.5	0.04	13	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-340-00012-00002	0.28	0.18	0.40	45			Y	Y	1.59	1.5	0.04	15	
	1"	Zo-e-shield 6	WEA-N-340-00038-00001	0.38	0.19	0.41	50					2.16	1.5	0.04	4	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-340-00054-00001	0.33	0.18	0.41	53					1.87	1.5	0.04	9	
	1"	Zo-e SafeGuard Certified	WEA-N-340-00048-00001	0.37	0.18	0.40	50					2.10	1.5	0.04	4	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-340-00064-00001	0.33	0.18	0.40	53					1.87	1.5	0.04	9	
	3/4"	Insul Low-E 240	WEA-N-340-00007-00002	0.36	0.17	0.26	52					2.04	1.5	0.04	5	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-340-00015-00002	0.33	0.17	0.26	55					1.87	1.5	0.04	9	
3/4"	Insul Low-E 340	WEA-N-340-00008-00002	0.35	0.13	0.25	52					1.99	1.5	0.04	4		
3/4"	Insul Low-E 340 w/Argon	WEA-N-340-00016-00002	0.32	0.12	0.25	55				Y	1.82	1.5	0.04	7		
3/4"	Bronze Low E	WEA-N-340-00002-00012	0.35	0.26	0.35	52					1.99	1.5	0.04	11		
3/4"	Bronze Low E w/Argon	WEA-N-340-00010-00012	0.32	0.26	0.35	55					1.82	1.5	0.04	15		
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-340-00001-00003	0.48	0.45	0.46	42					2.73	1.5	0.04	6	
	3/4"	Insul Low-E	WEA-N-340-00002-00003	0.35	0.25	0.41	52					1.99	1.5	0.04	11	
	3/4"	Insul Low E w/Argon	WEA-N-340-00010-00003	0.32	0.24	0.41	55					1.82	1.5	0.04	14	
	3/4"	Passive Solar	WEA-N-340-00005-00003	0.36	0.40	0.45	52					2.04	1.5	0.04	18	
	3/4"	Passive Solar w/Argon	WEA-N-340-00013-00003	0.33	0.40	0.45	55					1.87	1.5	0.04	22	
	3/4"	Passive Solar Extreme	WEA-N-340-00006-00003	0.31	0.36	0.44	40					1.76	1.5	0.04	22	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-340-00014-00003	0.29	0.36	0.44	43					1.65	1.5	0.04	25	
	3/4"	Zo-e-shield 5	WEA-N-340-00003-00003	0.35	0.17	0.36	52					1.99	1.5	0.04	6	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-340-00011-00003	0.32	0.16	0.36	55				Y	1.82	1.5	0.04	9	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-340-00004-00003	0.30	0.16	0.36	41				Y	1.70	1.5	0.04	12	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-340-00012-00003	0.28	0.16	0.36	45			Y	Y	1.59	1.5	0.04	14	
	1"	Zo-e-shield 6	WEA-N-340-00038-00002	0.38	0.17	0.36	50					2.16	1.5	0.04	2	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-340-00054-00002	0.33	0.16	0.36	53					1.87	1.5	0.04	8	
	1"	Zo-e SafeGuard Certified	WEA-N-340-00048-00002	0.37	0.17	0.35	50					2.10	1.5	0.04	4	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-340-00064-00002	0.33	0.16	0.35	53					1.87	1.5	0.04	8	
	3/4"	Insul Low-E 240	WEA-N-340-00007-00003	0.36	0.16	0.23	52					2.04	1.5	0.04	4	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-340-00015-00003	0.33	0.15	0.23	55					1.87	1.5	0.04	8	
3/4"	Insul Low-E 340	WEA-N-340-00008-00003	0.35	0.11	0.22	52					1.99	1.5	0.04	3		
3/4"	Insul Low-E 340 w/Argon	WEA-N-340-00016-00003	0.32	0.11	0.22	55				Y	1.82	1.5	0.04	6		
3/4"	Bronze Low E	WEA-N-340-00002-00013	0.35	0.23	0.30	52					1.99	1.5	0.04	10		
3/4"	Bronze Low E w/Argon	WEA-N-340-00010-00013	0.32	0.23	0.30	55				Y	1.82	1.5	0.04	13		