



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		
			=0.25	>=0.40	
			=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													CANADIAN ENERGY PERFORMANCE DATA			
Signature Direct-Set Door Transom with Panel (830)													CANADIAN ENERGY PERFORMANCE DATA			
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				U-Value (metric)	Maximum Air Leakage L/s/m2	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-288-00232-00001	0.45	0.53	0.56	44					2.56	1.5	0.01	15	
	3/4"	Insul Low-E	WEA-N-288-00235-00001	0.33	0.29	0.49	57					1.87	1.5	0.01	16	
	3/4"	Insul Low E w/Argon	WEA-N-288-00304-00001	0.30	0.29	0.49	60					1.70	1.5	0.01	20	
	3/4"	Passive Solar	WEA-N-288-00241-00001	0.34	0.47	0.54	56					1.93	1.5	0.01	25	
	3/4"	Passive Solar w/Argon	WEA-N-288-00310-00001	0.31	0.47	0.54	60					1.76	1.5	0.01	29	
	3/4"	Passive Solar Extreme	WEA-N-288-00244-00001	0.29	0.43	0.53	43					1.65	1.5	0.01	29	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-288-00313-00001	0.27	0.43	0.53	46					1.53	1.5	0.01	31	
	3/4"	Zo-e-shield 5	WEA-N-288-00238-00001	0.33	0.19	0.44	57					1.87	1.5	0.01	10	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-288-00307-00001	0.29	0.19	0.44	61				Y	1.65	1.5	0.01	15	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-288-00253-00001	0.28	0.19	0.43	44			Y	Y	1.59	1.5	0.01	16	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-288-00322-00001	0.26	0.19	0.43	48			Y	Y	1.48	1.5	0.01	19	
	1"	Zo-e-shield 6	WEA-N-288-00271-00001	0.34	0.20	0.43	54					1.93	1.5	0.01	9	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-288-00334-00001	0.30	0.19	0.43	58				Y	1.70	1.5	0.01	14	
	1"	Zo-e SafeGuard Certified	WEA-N-288-00289-00001	0.34	0.19	0.43	55					1.93	1.5	0.01	9	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-288-00352-00001	0.30	0.19	0.43	59				Y	1.70	1.5	0.01	14	
	1"	Zo-e-shield 7	WEA-N-288-00301-00001	0.27	0.17	0.34	64			Y	Y	1.53	1.5	0.01	16	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-288-00364-00001	0.24	0.17	0.34	64			Y	Y	1.36	1.5	0.01	20	
	3/4"	Insul Low-E 240	WEA-N-288-00247-00001	0.33	0.18	0.27	56					1.87	1.5	0.01	9	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-288-00316-00001	0.30	0.18	0.27	60				Y	1.70	1.5	0.01	13	
	3/4"	Insul Low-E 340	WEA-N-288-00250-00001	0.33	0.13	0.26	57					1.87	1.5	0.01	7	
3/4"	Insul Low-E 340 w/Argon	WEA-N-288-00319-00001	0.30	0.13	0.26	60				Y	1.70	1.5	0.01	10		
3/4"	Bronze Low E	WEA-N-288-00235-00011	0.33	0.27	0.36	57					1.87	1.5	0.01	15		
3/4"	Bronze Low E w/Argon	WEA-N-288-00304-00011	0.30	0.27	0.36	60					1.70	1.5	0.01	18		
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-288-00232-00002	0.45	0.48	0.49	44					2.56	1.5	0.01	12	
	3/4"	Insul Low-E	WEA-N-288-00235-00002	0.33	0.26	0.43	57					1.87	1.5	0.01	14	
	3/4"	Insul Low E w/Argon	WEA-N-288-00304-00002	0.30	0.26	0.43	60					1.70	1.5	0.01	18	
	3/4"	Passive Solar	WEA-N-288-00241-00002	0.34	0.42	0.48	56					1.93	1.5	0.01	22	
	3/4"	Passive Solar w/Argon	WEA-N-288-00310-00002	0.31	0.42	0.48	60					1.76	1.5	0.01	26	
	3/4"	Passive Solar Extreme	WEA-N-288-00244-00002	0.29	0.38	0.46	43					1.65	1.5	0.01	26	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-288-00313-00002	0.27	0.38	0.46	46					1.53	1.5	0.01	28	
	3/4"	Zo-e-shield 5	WEA-N-288-00238-00002	0.33	0.18	0.39	57					1.87	1.5	0.01	9	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-288-00307-00002	0.29	0.17	0.39	61				Y	1.65	1.5	0.01	14	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-288-00253-00002	0.28	0.17	0.38	44			Y	Y	1.59	1.5	0.01	15	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-288-00322-00002	0.26	0.17	0.38	48			Y	Y	1.48	1.5	0.01	17	
	1"	Zo-e-shield 6	WEA-N-288-00270-00001	0.36	0.18	0.38	54					2.04	1.5	0.01	6	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-288-00333-00001	0.32	0.17	0.38	58				Y	1.82	1.5	0.01	10	
	1"	Zo-e SafeGuard Certified	WEA-N-288-00288-00001	0.36	0.18	0.38	55					2.04	1.5	0.01	6	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-288-00351-00001	0.33	0.17	0.38	59					1.87	1.5	0.01	9	
	1"	Zo-e-shield 7	WEA-N-288-00300-00001	0.27	0.16	0.30	64			Y	Y	1.53	1.5	0.01	16	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-288-00363-00001	0.24	0.16	0.30	64			Y	Y	1.36	1.5	0.01	19	
	3/4"	Insul Low-E 240	WEA-N-288-00247-00002	0.33	0.16	0.24	56					1.87	1.5	0.01	8	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-288-00316-00002	0.30	0.16	0.24	60				Y	1.70	1.5	0.01	12	
	3/4"	Insul Low-E 340	WEA-N-288-00250-00002	0.33	0.12	0.23	57					1.87	1.5	0.01	6	
3/4"	Insul Low-E 340 w/Argon	WEA-N-288-00319-00002	0.30	0.12	0.23	60				Y	1.70	1.5	0.01	10		
3/4"	Bronze Low E	WEA-N-288-00235-00012	0.33	0.25	0.32	57					1.87	1.5	0.01	13		
3/4"	Bronze Low E w/Argon	WEA-N-288-00304-00012	0.30	0.24	0.32	60					1.70	1.5	0.01	17		
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-288-00232-00003	0.45	0.42	0.43	44					2.56	1.5	0.01	8	
	3/4"	Insul Low-E	WEA-N-288-00235-00003	0.33	0.23	0.38	57					1.87	1.5	0.01	12	
	3/4"	Insul Low E w/Argon	WEA-N-288-00304-00003	0.30	0.23	0.38	60				Y	1.70	1.5	0.01	16	
	3/4"	Passive Solar	WEA-N-288-00241-00003	0.34	0.37	0.42	56					1.93	1.5	0.01	19	
	3/4"	Passive Solar w/Argon	WEA-N-288-00310-00003	0.31	0.37	0.42	60					1.76	1.5	0.01	23	
	3/4"	Passive Solar Extreme	WEA-N-288-00244-00003	0.29	0.34	0.41	43					1.65	1.5	0.01	23	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-288-00313-00003	0.27	0.34	0.41	46					1.53	1.5	0.01	26	
	3/4"	Zo-e-shield 5	WEA-N-288-00238-00003	0.33	0.16	0.34	57					1.87	1.5	0.01	8	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-288-00307-00003	0.29	0.15	0.34	61				Y	1.65	1.5	0.01	13	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-288-00253-00003	0.28	0.15	0.33	44			Y	Y	1.59	1.5	0.01	14	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-288-00322-00003	0.26	0.15	0.33	48			Y	Y	1.48	1.5	0.01	16	
	1"	Zo-e-shield 6	WEA-N-288-00270-00002	0.36	0.16	0.34	54					2.04	1.5	0.01	5	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-288-00333-00002	0.32	0.16	0.34	58				Y	1.82	1.5	0.01	9	
	1"	Zo-e SafeGuard Certified	WEA-N-288-00288-00002	0.36	0.16	0.33	55					2.04	1.5	0.01	5	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-288-00351-00002	0.33	0.15	0.33	59					1.87	1.5	0.01	8	
	1"	Zo-e-shield 7	WEA-N-288-00300-00002	0.27	0.14	0.26	64			Y	Y	1.53	1.5	0.01	15	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-288-00363-00002	0.24	0.14	0.26	64			Y	Y	1.36	1.5	0.01	18	
	3/4"	Insul Low-E 240	WEA-N-288-00247-00003	0.33	0.15	0.21	56					1.87	1.5	0.01	8	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-288-00316-00003	0.30	0.14	0.21	60				Y	1.70	1.5	0.01	11	
	3/4"	Insul Low-E 340	WEA-N-288-00250-00003	0.33	0.11	0.20	57					1.87	1.5	0.01	5	
3/4"	Insul Low-E 340 w/Argon	WEA-N-288-00319-00003	0.30	0.10	0.20	60				Y	1.70	1.5	0.01	9		
3/4"	Bronze Low E	WEA-N-288-00235-00013	0.33	0.22	0.28	57					1.87	1.5	0.01	12		
3/4"	Bronze Low E w/Argon	WEA-N-288-00304-00013	0.30	0.22	0.28	60				Y	1.70	1.5	0.01	15		