



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											CANADIAN ENERGY PERFORMANCE DATA					
Premium Wood Direct-Set Door Transom (630)											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-229-00915-00001	0.46	0.69	0.73	45					2.61	1.5	0.05	23	
	3/4"	Insul Low-E	WEA-N-229-00916-00001	0.30	0.37	0.64	57					1.70	1.5	0.05	24	
	3/4"	Insul Low E w/Argon	WEA-N-229-00928-00001	0.26	0.37	0.64	60					1.48	1.5	0.05	29	
	3/4"	Passive Solar	WEA-N-229-00919-00001	0.31	0.61	0.71	56					1.76	1.5	0.05	37	Y
	3/4"	Passive Solar w/Argon	WEA-N-229-00931-00001	0.27	0.61	0.71	60					1.53	1.5	0.05	42	Y
	3/4"	Passive Solar Extreme	WEA-N-229-00920-00001	0.25	0.55	0.69	44	Y				1.42	1.5	0.05	41	Y
	3/4"	Passive Solar Extreme w/Argon	WEA-N-229-00932-00001	0.23	0.56	0.69	48	Y				1.31	1.5	0.05	44	Y
	3/4"	Zo-e-shield 5	WEA-N-229-00917-00001	0.30	0.25	0.58	57					1.70	1.5	0.05	17	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-229-00929-00001	0.26	0.24	0.58	61					1.48	1.5	0.05	21	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-229-00918-00001	0.24	0.24	0.56	45		Y			1.36	1.5	0.05	24	
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-229-00930-00001	0.21	0.24	0.56	49	Y	Y			1.19	1.5	0.05	28	Y
	1"	Zo-e-shield 6	WEA-N-229-01013-00001	0.30	0.24	0.57	58					1.70	1.5	0.05	17	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-229-01021-00001	0.26	0.24	0.57	61					1.48	1.5	0.05	21	
	1"	Zo-e SafeGuard Certified	WEA-N-229-01018-00001	0.30	0.24	0.56	58					1.70	1.5	0.05	17	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-229-01026-00001	0.26	0.24	0.56	62					1.48	1.5	0.05	21	
	1"	Zo-e-shield 7	WEA-N-229-00923-00001	0.23	0.22	0.46	66		Y	Y	Y	1.31	1.5	0.05	24	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-229-00935-00001	0.19	0.22	0.46	70	Y	Y	Y	Y	1.08	1.5	0.05	29	Y
	3/4"	Insul Low-E 240	WEA-N-229-00921-00001	0.31	0.23	0.36	56				Y	1.76	1.5	0.05	15	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-229-00933-00001	0.27	0.23	0.36	60				Y	1.53	1.5	0.05	20	
	3/4"	Insul Low-E 340	WEA-N-229-00922-00001	0.30	0.17	0.35	57				Y	1.70	1.5	0.05	12	
3/4"	Insul Low-E 340 w/Argon	WEA-N-229-00934-00001	0.26	0.16	0.35	61				Y	1.48	1.5	0.05	17		
3/4"	Bronze Low E	WEA-N-229-00916-00011	0.30	0.35	0.47	57					1.70	1.5	0.05	23		
3/4"	Bronze Low E w/Argon	WEA-N-229-00928-00011	0.26	0.35	0.47	60					1.48	1.5	0.05	28		
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-229-00915-00002	0.46	0.63	0.66	45					2.61	1.5	0.05	19	
	3/4"	Insul Low-E	WEA-N-229-00916-00002	0.30	0.34	0.58	57					1.70	1.5	0.05	22	
	3/4"	Insul Low E w/Argon	WEA-N-229-00928-00002	0.26	0.33	0.58	60					1.48	1.5	0.05	27	
	3/4"	Passive Solar	WEA-N-229-00919-00002	0.31	0.55	0.63	56					1.76	1.5	0.05	33	
	3/4"	Passive Solar w/Argon	WEA-N-229-00931-00002	0.27	0.55	0.63	60					1.53	1.5	0.05	38	Y
	3/4"	Passive Solar Extreme	WEA-N-229-00920-00002	0.25	0.50	0.62	44	Y				1.42	1.5	0.05	38	Y
	3/4"	Passive Solar Extreme w/Argon	WEA-N-229-00932-00002	0.23	0.50	0.62	48	Y				1.31	1.5	0.05	40	Y
	3/4"	Zo-e-shield 5	WEA-N-229-00917-00002	0.30	0.22	0.52	57				Y	1.70	1.5	0.05	15	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-229-00929-00002	0.26	0.22	0.52	61				Y	1.48	1.5	0.05	20	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-229-00918-00002	0.24	0.22	0.51	45		Y	Y	Y	1.36	1.5	0.05	23	
	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	1.5	0.05	27	Y
	1"	Zo-e-shield 6	WEA-N-229-01013-00002	0.30	0.22	0.51	58				Y	1.70	1.5	0.05	15	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-229-01021-00002	0.26	0.22	0.51	61				Y	1.48	1.5	0.05	20	
	1"	Zo-e SafeGuard Certified	WEA-N-229-01018-00002	0.30	0.22	0.50	58				Y	1.70	1.5	0.05	15	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-229-01026-00002	0.26	0.22	0.50	62				Y	1.48	1.5	0.05	20	
	1"	Zo-e-shield 7	WEA-N-229-00924-00001	0.24	0.20	0.41	66		Y	Y	Y	1.36	1.5	0.05	22	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-229-00936-00001	0.19	0.20	0.41	70	Y	Y	Y	Y	1.08	1.5	0.05	28	Y
	3/4"	Insul Low-E 240	WEA-N-229-00921-00002	0.31	0.21	0.32	56				Y	1.76	1.5	0.05	13	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-229-00933-00002	0.27	0.21	0.32	60				Y	1.53	1.5	0.05	19	
	3/4"	Insul Low-E 340	WEA-N-229-00922-00002	0.30	0.15	0.31	57				Y	1.70	1.5	0.05	11	
3/4"	Insul Low-E 340 w/Argon	WEA-N-229-00934-00002	0.26	0.15	0.31	61				Y	1.48	1.5	0.05	16		
3/4"	Bronze Low E	WEA-N-229-00916-00012	0.30	0.32	0.43	57					1.70	1.5	0.05	21		
3/4"	Bronze Low E w/Argon	WEA-N-229-00928-00012	0.26	0.32	0.43	60					1.48	1.5	0.05	26		
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-229-00915-00003	0.46	0.56	0.59	45					2.61	1.5	0.05	15	
	3/4"	Insul Low-E	WEA-N-229-00916-00003	0.30	0.30	0.51	57					1.70	1.5	0.05	20	
	3/4"	Insul Low E w/Argon	WEA-N-229-00928-00003	0.26	0.30	0.51	60					1.48	1.5	0.05	25	
	3/4"	Passive Solar	WEA-N-229-00919-00003	0.31	0.49	0.57	56					1.76	1.5	0.05	30	
	3/4"	Passive Solar w/Argon	WEA-N-229-00931-00003	0.27	0.50	0.57	60					1.53	1.5	0.05	35	Y
	3/4"	Passive Solar Extreme	WEA-N-229-00920-00003	0.25	0.45	0.55	44	Y				1.42	1.5	0.05	35	Y
	3/4"	Passive Solar Extreme w/Argon	WEA-N-229-00932-00003	0.23	0.45	0.55	48	Y				1.31	1.5	0.05	37	Y
	3/4"	Zo-e-shield 5	WEA-N-229-00917-00003	0.30	0.20	0.46	57				Y	1.70	1.5	0.05	14	
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-229-00929-00003	0.26	0.20	0.46	61				Y	1.48	1.5	0.05	19	
	3/4"	Zo-e-shield 5 Extreme	WEA-N-229-00918-00003	0.24	0.20	0.45	45		Y	Y	Y	1.36	1.5	0.05	22	
	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	1.5	0.05	25	Y
	1"	Zo-e-shield 6	WEA-N-229-01013-00003	0.30	0.20	0.46	58				Y	1.70	1.5	0.05	14	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-229-01021-00003	0.26	0.20	0.46	61				Y	1.48	1.5	0.05	19	
	1"	Zo-e SafeGuard Certified	WEA-N-229-01018-00003	0.30	0.20	0.45	58				Y	1.70	1.5	0.05	14	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-229-01026-00003	0.26	0.20	0.45	62				Y	1.48	1.5	0.05	19	
	1"	Zo-e-shield 7	WEA-N-229-00924-00002	0.24	0.19	0.37	66		Y	Y	Y	1.36	1.5	0.05	21	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-229-00936-00002	0.19	0.18	0.37	70	Y	Y	Y	Y	1.08	1.5	0.05	27	Y
	3/4"	Insul Low-E 240	WEA-N-229-00921-00003	0.31	0.19	0.29	56				Y	1.76	1.5	0.05	12	
	3/4"	Insul Low-E 240 w/Argon	WEA-N-229-00933-00003	0.27	0.19	0.29	60				Y	1.53	1.5	0.05	17	
	3/4"	Insul Low-E 340	WEA-N-229-00922-00003	0.30	0.14	0.28	57				Y	1.70	1.5	0.05	11	
3/4"	Insul Low-E 340 w/Argon	WEA-N-229-00934-00003	0.26	0.13	0.28	61				Y	1.48	1.5	0.05	15		
3/4"	Bronze Low E	WEA-N-229-00916-00013	0.30	0.29	0.38	57					1.70	1.5	0.05	19		
3/4"	Bronze Low E w/Argon	WEA-N-229-00928-00013	0.26	0.29	0.38	60					1.48	1.5	0.05	24		