



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					
Signature Direct-Set Door Transom (830)												ENERGY STAR					
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-332-00001-00001	0.48	0.70	0.74	42					2.73	1.5	0.05	21		
	3/4"	Insul Low-E	WEA-N-332-00002-00001	0.32	0.38	0.65	53					1.82	1.5	0.05	22		
	3/4"	Insul Low E w/Argon	WEA-N-332-00010-00001	0.28	0.37	0.65	57					1.59	1.5	0.05	26		
	3/4"	Passive Solar	WEA-N-332-00005-00001	0.33	0.62	0.72	53					1.87	1.5	0.05	35	Y	
	3/4"	Passive Solar w/Argon	WEA-N-332-00013-00001	0.29	0.62	0.72	56					1.65	1.5	0.05	40	Y	
	3/4"	Passive Solar Extreme	WEA-N-332-00006-00001	0.26	0.56	0.70	41	Y				1.48	1.5	0.05	40	Y	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-332-00014-00001	0.24	0.56	0.70	44	Y				1.36	1.5	0.05	42	Y	
	3/4"	Zo-e-shield 5	WEA-N-332-00003-00001	0.31	0.25	0.59	54					1.76	1.5	0.05	16		
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-332-00011-00001	0.27	0.25	0.59	57					1.53	1.5	0.05	21		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-332-00004-00001	0.25	0.24	0.57	42		Y			1.42	1.5	0.05	23		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-332-00012-00001	0.22	0.24	0.57	46	Y	Y			1.25	1.5	0.05	26		
	1"	Zo-e-shield 6	WEA-N-332-00083-00001	0.31	0.25	0.58	54					1.76	1.5	0.05	16		
	1"	Zo-e-shield 6 w/ Argon	WEA-N-332-00089-00001	0.27	0.24	0.58	57					1.53	1.5	0.05	20		
	1"	Zo-e SafeGuard Certified	WEA-N-332-00094-00001	0.31	0.24	0.57	55					1.76	1.5	0.05	15		
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-332-00096-00001	0.27	0.24	0.57	58					1.53	1.5	0.05	20		
	1"	Zo-e-shield 7	WEA-N-332-00017-00001	0.24	0.23	0.47	63		Y	Y	Y	1.36	1.5	0.05	23		
	1"	Zo-e-shield 7 w/ Argon	WEA-N-332-00021-00001	0.19	0.23	0.47	67	Y	Y	Y	Y	1.08	1.5	0.05	30	Y	
	3/4"	Insul Low-E 240	WEA-N-332-00007-00001	0.32	0.23	0.36	53					1.82	1.5	0.05	13		
	3/4"	Insul Low-E 240 w/Argon	WEA-N-332-00015-00001	0.28	0.23	0.36	56			Y	Y	1.59	1.5	0.05	18		
	3/4"	Insul Low-E 340	WEA-N-332-00008-00001	0.31	0.17	0.35	54				Y	1.76	1.5	0.05	11		
	3/4"	Insul Low-E 340 w/Argon	WEA-N-332-00016-00001	0.27	0.16	0.35	57			Y	Y	1.53	1.5	0.05	16		
	3/4"	Bronze Low E	WEA-N-332-00002-00011	0.32	0.36	0.49	53					1.82	1.5	0.05	21		
	3/4"	Bronze Low E w/Argon	WEA-N-332-00010-00011	0.28	0.36	0.49	57					1.59	1.5	0.05	26		
	Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-332-00001-00002	0.48	0.64	0.67	42					2.73	1.5	0.05	17	
		3/4"	Insul Low-E	WEA-N-332-00002-00002	0.32	0.34	0.58	53					1.82	1.5	0.05	20	
		3/4"	Insul Low E w/Argon	WEA-N-332-00010-00002	0.28	0.34	0.58	57					1.59	1.5	0.05	25	
		3/4"	Passive Solar	WEA-N-332-00005-00002	0.33	0.56	0.64	53					1.87	1.5	0.05	31	
		3/4"	Passive Solar w/Argon	WEA-N-332-00013-00002	0.29	0.56	0.64	56					1.65	1.5	0.05	36	Y
		3/4"	Passive Solar Extreme	WEA-N-332-00006-00002	0.26	0.51	0.63	41	Y				1.48	1.5	0.05	37	Y
		3/4"	Passive Solar Extreme w/Argon	WEA-N-332-00014-00002	0.24	0.51	0.63	44	Y				1.36	1.5	0.05	40	Y
3/4"		Zo-e-shield 5	WEA-N-332-00003-00002	0.31	0.23	0.53	54				Y	1.76	1.5	0.05	15		
3/4"		Zo-e-shield 5 w/ Argon	WEA-N-332-00011-00002	0.27	0.22	0.53	57			Y	Y	1.53	1.5	0.05	19		
3/4"		Zo-e-shield 5 Extreme	WEA-N-332-00004-00002	0.25	0.22	0.51	42		Y	Y	Y	1.42	1.5	0.05	22		
3/4"		Zo-e-shield 5 Extreme w/ Argon	WEA-N-332-00012-00002	0.22	0.22	0.51	46	Y	Y	Y	Y	1.25	1.5	0.05	25		
1"		Zo-e-shield 6	WEA-N-332-00083-00002	0.31	0.22	0.52	54				Y	1.76	1.5	0.05	14		
1"		Zo-e-shield 6 w/ Argon	WEA-N-332-00089-00002	0.27	0.22	0.52	57			Y	Y	1.53	1.5	0.05	19		
1"		Zo-e SafeGuard Certified	WEA-N-332-00094-00002	0.31	0.22	0.51	55				Y	1.76	1.5	0.05	14		
1"		Zo-e SafeGuard Certified w/ Argon	WEA-N-332-00096-00002	0.27	0.22	0.51	58			Y	Y	1.53	1.5	0.05	19		
1"		Zo-e-shield 7	WEA-N-332-00018-00001	0.24	0.21	0.42	63		Y	Y	Y	1.36	1.5	0.05	22		
1"		Zo-e-shield 7 w/ Argon	WEA-N-332-00022-00001	0.20	0.21	0.42	67	Y	Y	Y	Y	1.14	1.5	0.05	27	Y	
3/4"		Insul Low-E 240	WEA-N-332-00007-00002	0.32	0.21	0.33	53					1.82	1.5	0.05	12		
3/4"		Insul Low-E 240 w/Argon	WEA-N-332-00015-00002	0.28	0.21	0.33	56			Y	Y	1.59	1.5	0.05	17		
3/4"		Insul Low-E 340	WEA-N-332-00008-00002	0.31	0.15	0.32	54				Y	1.76	1.5	0.05	10		
3/4"		Insul Low-E 340 w/Argon	WEA-N-332-00016-00002	0.27	0.15	0.32	57			Y	Y	1.53	1.5	0.05	15		
3/4"		Bronze Low E	WEA-N-332-00002-00012	0.32	0.33	0.44	53					1.82	1.5	0.05	19		
3/4"		Bronze Low E w/Argon	WEA-N-332-00010-00012	0.28	0.32	0.44	57					1.59	1.5	0.05	24		
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-332-00001-00003	0.48	0.57	0.60	42					2.73	1.5	0.05	13		
	3/4"	Insul Low-E	WEA-N-332-00002-00003	0.32	0.31	0.52	53					1.82	1.5	0.05	18		
	3/4"	Insul Low E w/Argon	WEA-N-332-00010-00003	0.28	0.31	0.52	57					1.59	1.5	0.05	23		
	3/4"	Passive Solar	WEA-N-332-00005-00003	0.33	0.50	0.58	53					1.87	1.5	0.05	28		
	3/4"	Passive Solar w/Argon	WEA-N-332-00013-00003	0.29	0.50	0.58	56					1.65	1.5	0.05	33		
	3/4"	Passive Solar Extreme	WEA-N-332-00006-00003	0.26	0.46	0.56	41	Y				1.48	1.5	0.05	34	Y	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-332-00014-00003	0.24	0.46	0.56	44	Y				1.36	1.5	0.05	37	Y	
	3/4"	Zo-e-shield 5	WEA-N-332-00003-00003	0.31	0.21	0.47	54				Y	1.76	1.5	0.05	13		
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-332-00011-00003	0.27	0.20	0.47	57			Y	Y	1.53	1.5	0.05	18		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-332-00004-00003	0.25	0.20	0.46	42		Y	Y	Y	1.42	1.5	0.05	20		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-332-00012-00003	0.22	0.20	0.46	46	Y	Y	Y	Y	1.25	1.5	0.05	24		
	1"	Zo-e-shield 6	WEA-N-332-00083-00003	0.31	0.20	0.46	54				Y	1.76	1.5	0.05	13		
	1"	Zo-e-shield 6 w/ Argon	WEA-N-332-00089-00003	0.27	0.20	0.46	57			Y	Y	1.53	1.5	0.05	18		
	1"	Zo-e SafeGuard Certified	WEA-N-332-00094-00003	0.31	0.20	0.46	55				Y	1.76	1.5	0.05	13		
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-332-00096-00003	0.27	0.20	0.46	58			Y	Y	1.53	1.5	0.05	18		
	1"	Zo-e-shield 7	WEA-N-332-00018-00002	0.24	0.19	0.38	63		Y	Y	Y	1.36	1.5	0.05	21		
	1"	Zo-e-shield 7 w/ Argon	WEA-N-332-00022-00002	0.20	0.19	0.38	67	Y	Y	Y	Y	1.14	1.5	0.05	26	Y	
	3/4"	Insul Low-E 240	WEA-N-332-00007-00003	0.32	0.19	0.29	53					1.82	1.5	0.05	11		
	3/4"	Insul Low-E 240 w/Argon	WEA-N-332-00015-00003	0.28	0.19	0.29	56			Y	Y	1.59	1.5	0.05	16		
	3/4"	Insul Low-E 340	WEA-N-332-00008-00003	0.31	0.14	0.28	54				Y	1.76	1.5	0.05	9		
	3/4"	Insul Low-E 340 w/Argon	WEA-N-332-00016-00003	0.27	0.14	0.28	57			Y	Y	1.53	1.5	0.05	14		
	3/4"	Bronze Low E	WEA-N-332-00002-00013	0.32	0.29	0.39	53					1.82	1.5	0.05	17		
	3/4"	Bronze Low E w/Argon	WEA-N-332-00010-00013	0.28	0.29	0.39	57					1.59	1.5	0.05	22		