

US Qualification Criteria	Climate Zone	U-Value	SHGC
<p>As of January 2016</p>	Northern	<=0.30	<=0.40
	North-Central		<=0.25
	South-Central		
	Southern		

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
<p>As of February 2015</p>	Zone 1	<=1.60		>=25
	Zone 2	<=1.40		>=29
	Zone 3	<=1.20		>=34
	Air Leakage <= 0.3 cfm/ft2			

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/3mm glass lite thicknesses.

ENERGY PERFORMANCE DATA
Visions 3500 Sliding Patio Door (9701)



CANADIAN ENERGY
PERFORMANCE DATA



Grille Option	Glazing thickness	aNFRC Total Unit Calculations bGlazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 6.0				U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v 4.1		
								N	NC	SC	S					1	2	3
No GIA or SDL	3/4"	Clear Insul	WEA-N-315-00155-00001	0.46	0.61	0.65	44					2.61	0.6	0.41	17			
	3/4"	Insul Low-E	WEA-N-315-00156-00001	0.33	0.33	0.56	54					1.87	0.6	0.41	17			
	3/4"	Insul Low E w/Argon	WEA-N-315-00157-00001	0.29	0.33	0.56	57	Y	Y			1.65	0.6	0.41	22			
	3/4"	Passive Solar	WEA-N-315-00162-00001	0.34	0.54	0.62	54					1.93	0.6	0.41	28	Y		
	3/4"	Passive Solar w/Argon	WEA-N-315-00163-00001	0.30	0.54	0.62	57					1.70	0.6	0.41	33	Y	Y	
	3/4"	Passive Solar Extreme	WEA-N-315-00164-00001	0.28	0.49	0.61	42					1.59	0.6	0.41	33	Y	Y	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-315-00165-00001	0.26	0.49	0.61	45					1.48	0.6	0.41	35	Y	Y	Y
	3/4"	Zo-e-shield 5	WEA-N-315-00158-00001	0.32	0.22	0.51	55					1.82	0.6	0.41	12			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-315-00159-00001	0.29	0.22	0.51	58	Y	Y	Y	Y	1.65	0.6	0.41	16			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-315-00160-00001	0.27	0.22	0.50	43	Y	Y	Y	Y	1.53	0.6	0.41	18	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-315-00161-00001	0.25	0.21	0.50	46	Y	Y	Y	Y	1.42	0.6	0.41	20	Y		
	3/4"	Zo-e-shield 6	WEA-N-315-00176-00001	0.34	0.22	0.50	53					1.93	0.6	0.41	10			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-315-00178-00001	0.29	0.22	0.50	56	Y	Y	Y	Y	1.65	0.6	0.41	16			
	3/4"	Zo-e SafeGuard Certified	WEA-N-315-00192-00001	0.33	0.22	0.49	49					1.87	0.6	0.41	11			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-315-00194-00001	0.29	0.22	0.49	56	Y	Y	Y	Y	1.65	0.6	0.41	16			
	3/4"	Insul Low-E 240	WEA-N-315-00166-00001	0.33	0.21	0.31	54					1.87	0.6	0.41	10			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-315-00167-00001	0.30	0.20	0.31	57	Y	Y	Y	Y	1.70	0.6	0.41	14			
	3/4"	Insul Low-E 340	WEA-N-315-00168-00001	0.33	0.15	0.30	54					1.87	0.6	0.41	7			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-315-00169-00001	0.29	0.14	0.30	57	Y	Y	Y	Y	1.65	0.6	0.41	11			
	3/4"	Bronze Low E	WEA-N-315-00156-00011	0.33	0.32	0.42	54					1.87	0.6	0.41	17			
3/4"	Bronze Low E w/Argon	WEA-N-315-00157-00011	0.29	0.31	0.42	57	Y	Y			1.65	0.6	0.41	21				
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-315-00155-00002	0.46	0.54	0.57	44					2.61	0.6	0.41	13			
	3/4"	Insul Low-E	WEA-N-315-00156-00002	0.33	0.29	0.49	54					1.87	0.6	0.41	15			
	3/4"	Insul Low E w/Argon	WEA-N-315-00157-00002	0.29	0.29	0.49	57	Y	Y			1.65	0.6	0.41	20			
	3/4"	Passive Solar	WEA-N-315-00162-00002	0.34	0.48	0.54	54					1.93	0.6	0.41	25			
	3/4"	Passive Solar w/Argon	WEA-N-315-00163-00002	0.30	0.48	0.54	57					1.70	0.6	0.41	30	Y	Y	
	3/4"	Passive Solar Extreme	WEA-N-315-00164-00002	0.28	0.43	0.53	42					1.59	0.6	0.41	29	Y	Y	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-315-00165-00002	0.26	0.43	0.53	45					1.48	0.6	0.41	32	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-315-00158-00002	0.32	0.20	0.44	55					1.82	0.6	0.41	11			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-315-00159-00002	0.29	0.19	0.44	58	Y	Y	Y	Y	1.65	0.6	0.41	14			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-315-00160-00002	0.27	0.19	0.43	43	Y	Y	Y	Y	1.53	0.6	0.41	17	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-315-00161-00002	0.25	0.19	0.43	46	Y	Y	Y	Y	1.42	0.6	0.41	19	Y		
	3/4"	Zo-e-shield 6	WEA-N-315-00177-00001	0.35	0.20	0.44	53					1.99	0.6	0.41	7			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-315-00179-00001	0.31	0.19	0.44	56					1.76	0.6	0.41	12			
	3/4"	Zo-e SafeGuard Certified	WEA-N-315-00193-00001	0.35	0.20	0.43	49					1.99	0.6	0.41	7			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-315-00195-00001	0.30	0.19	0.43	56	Y	Y	Y	Y	1.70	0.6	0.41	13			
	3/4"	Insul Low-E 240	WEA-N-315-00166-00002	0.33	0.18	0.27	54					1.87	0.6	0.41	9			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-315-00167-00002	0.30	0.18	0.27	57	Y	Y	Y	Y	1.70	0.6	0.41	12			
	3/4"	Insul Low-E 340	WEA-N-315-00168-00002	0.33	0.13	0.27	54					1.87	0.6	0.41	6			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-315-00169-00002	0.29	0.13	0.27	57	Y	Y	Y	Y	1.65	0.6	0.41	11			
	3/4"	Bronze Low E	WEA-N-315-00156-00012	0.33	0.28	0.37	54					1.87	0.6	0.41	14			
3/4"	Bronze Low E w/Argon	WEA-N-315-00157-00012	0.29	0.28	0.37	57	Y	Y			1.65	0.6	0.41	19				
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-315-00155-00003	0.46	0.47	0.49	44					2.61	0.6	0.41	9			
	3/4"	Insul Low-E	WEA-N-315-00156-00003	0.33	0.26	0.43	54					1.87	0.6	0.41	13			
	3/4"	Insul Low E w/Argon	WEA-N-315-00157-00003	0.29	0.26	0.43	57	Y	Y			1.65	0.6	0.41	18			
	3/4"	Passive Solar	WEA-N-315-00162-00003	0.34	0.42	0.47	54					1.93	0.6	0.41	21			
	3/4"	Passive Solar w/Argon	WEA-N-315-00163-00003	0.30	0.42	0.47	57					1.70	0.6	0.41	26	Y		
	3/4"	Passive Solar Extreme	WEA-N-315-00164-00003	0.28	0.38	0.46	42	Y	Y			1.59	0.6	0.41	26	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-315-00165-00003	0.26	0.38	0.46	45	Y	Y			1.48	0.6	0.41	29	Y		
	3/4"	Zo-e-shield 5	WEA-N-315-00158-00003	0.32	0.17	0.39	55					1.82	0.6	0.41	9			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-315-00159-00003	0.29	0.17	0.39	58	Y	Y	Y	Y	1.65	0.6	0.41	13			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-315-00160-00003	0.27	0.17	0.38	43	Y	Y	Y	Y	1.53	0.6	0.41	16			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-315-00161-00003	0.25	0.17	0.38	46	Y	Y	Y	Y	1.42	0.6	0.41	18	Y		
	3/4"	Zo-e-shield 6	WEA-N-315-00177-00002	0.35	0.17	0.38	53					1.99	0.6	0.41	5			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-315-00179-00002	0.31	0.17	0.38	56					1.76	0.6	0.41	10			
	3/4"	Zo-e SafeGuard Certified	WEA-N-315-00193-00002	0.35	0.17	0.37	49					1.99	0.6	0.41	5			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-315-00195-00002	0.30	0.17	0.37	56	Y	Y	Y	Y	1.70	0.6	0.41	12			
	3/4"	Insul Low-E 240	WEA-N-315-00166-00003	0.33	0.16	0.24	54					1.87	0.6	0.41	7			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-315-00167-00003	0.30	0.16	0.24	57	Y	Y	Y	Y	1.70	0.6	0.41	11			
	3/4"	Insul Low-E 340	WEA-N-315-00168-00003	0.33	0.12	0.23	54					1.87	0.6	0.41	5			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-315-00169-00003	0.29	0.12	0.23	57	Y	Y	Y	Y	1.65	0.6	0.41	10			
	3/4"	Bronze Low E	WEA-N-315-00156-00013	0.33	0.25	0.32	54					1.87	0.6	0.41	13			
3/4"	Bronze Low E w/Argon	WEA-N-315-00157-00013	0.29	0.25	0.32	57	Y	Y	Y	Y	1.65	0.6	0.41	17				