

Thermal Performance Data

Visions 3500 French Sliding Patio Door (9702)



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 French Sliding Patio Door (9702)



US ENERGY STAR V 6.0

CANADIAN ENERGY PERFORMANCE DATA



CANADA ENERGY STAR v 4.1

Grille Option	Glazing thickness	³NFRC Total Unit Calculations ⁴Glazing 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 Ls/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-317-00155-00001	0.46	0.51	0.53	44					2.61	0.6	0.81	11			
	3/4"	Insul Low-E	WEA-N-317-00156-00001	0.35	0.28	0.46	55					1.99	0.6	0.81	11			
	3/4"	Insul Low E w/Argon	WEA-N-317-00157-00001	0.32	0.27	0.46	56					1.82	0.6	0.81	14			
	3/4"	Passive Solar	WEA-N-317-00162-00001	0.35	0.45	0.51	55					1.99	0.6	0.81	21			
	3/4"	Passive Solar w/Argon	WEA-N-317-00163-00001	0.33	0.45	0.51	56					1.87	0.6	0.81	23			
	3/4"	Passive Solar Extreme	WEA-N-317-00164-00001	0.31	0.41	0.50	44					1.76	0.6	0.81	24			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-317-00165-00001	0.29	0.41	0.50	47					1.65	0.6	0.81	26	Y		
	3/4"	Zo-e-shield 5	WEA-N-317-00158-00001	0.34	0.19	0.42	55					1.93	0.6	0.81	7			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-317-00159-00001	0.31	0.18	0.42	56					1.76	0.6	0.81	10			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-317-00160-00001	0.30	0.18	0.41	45	Y	Y	Y	Y	1.70	0.6	0.81	12			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-317-00161-00001	0.28	0.18	0.41	48	Y	Y	Y	Y	1.59	0.6	0.81	14			
	3/4"	Zo-e-shield 6	WEA-N-317-00176-00001	0.35	0.19	0.41	54					1.99	0.6	0.81	6			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-317-00178-00001	0.32	0.18	0.41	56					1.82	0.6	0.81	9			
	3/4"	Zo-e SafeGuard Certified	WEA-N-317-00192-00001	0.35	0.19	0.41	54					1.99	0.6	0.81	6			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-317-00194-00001	0.32	0.18	0.41	56					1.82	0.6	0.81	9			
	1"	Zo-e-shield 7	WEA-N-317-00196-00001	0.29	0.17	0.33	56	Y	Y	Y	Y	1.65	0.6	0.81	12			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-317-00198-00001	0.26	0.17	0.33	56	Y	Y	Y	Y	1.48	0.6	0.81	16			
	3/4"	Insul Low-E 240	WEA-N-317-00166-00001	0.35	0.17	0.26	55					1.99	0.6	0.81	5			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-317-00167-00001	0.32	0.17	0.26	56					1.82	0.6	0.81	8			
	3/4"	Insul Low-E 340	WEA-N-317-00168-00001	0.35	0.13	0.25	55					1.99	0.6	0.81	2			
3/4"	Insul Low-E 340 w/Argon	WEA-N-317-00169-00001	0.32	0.12	0.25	56					1.82	0.6	0.81	5				
3/4"	Bronze Low E	WEA-N-317-00156-00011	0.35	0.27	0.35	55					1.99	0.6	0.81	10				
3/4"	Bronze Low E w/Argon	WEA-N-317-00157-00011	0.32	0.26	0.35	56					1.82	0.6	0.81	14				
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-317-00155-00002	0.46	0.44	0.46	44					2.61	0.6	0.81	7			
	3/4"	Insul Low-E	WEA-N-317-00156-00002	0.35	0.24	0.40	55					1.99	0.6	0.81	9			
	3/4"	Insul Low E w/Argon	WEA-N-317-00157-00002	0.32	0.24	0.40	56					1.82	0.6	0.81	12			
	3/4"	Passive Solar	WEA-N-317-00162-00002	0.35	0.39	0.44	55					1.99	0.6	0.81	17			
	3/4"	Passive Solar w/Argon	WEA-N-317-00163-00002	0.33	0.39	0.44	56					1.87	0.6	0.81	20			
	3/4"	Passive Solar Extreme	WEA-N-317-00164-00002	0.31	0.36	0.43	44					1.76	0.6	0.81	21			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-317-00165-00002	0.29	0.36	0.43	47	Y	Y			1.65	0.6	0.81	23			
	3/4"	Zo-e-shield 5	WEA-N-317-00158-00002	0.34	0.17	0.36	55					1.93	0.6	0.81	6			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-317-00159-00002	0.31	0.16	0.36	56					1.76	0.6	0.81	9			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-317-00160-00002	0.30	0.16	0.35	45	Y	Y	Y	Y	1.70	0.6	0.81	10			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-317-00161-00002	0.28	0.16	0.35	48	Y	Y	Y	Y	1.59	0.6	0.81	13			
	3/4"	Zo-e-shield 6	WEA-N-317-00177-00001	0.37	0.17	0.35	54					2.10	0.6	0.81	2			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-317-00179-00001	0.33	0.16	0.35	56					1.87	0.6	0.81	7			
	3/4"	Zo-e SafeGuard Certified	WEA-N-317-00193-00001	0.36	0.16	0.35	54					2.04	0.6	0.81	3			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-317-00195-00001	0.33	0.16	0.35	56					1.87	0.6	0.81	7			
	1"	Zo-e-shield 7	WEA-N-317-00197-00001	0.30	0.15	0.29	56	Y	Y	Y	Y	1.70	0.6	0.81	10			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-317-00199-00001	0.27	0.15	0.29	56	Y	Y	Y	Y	1.53	0.6	0.81	14			
	3/4"	Insul Low-E 240	WEA-N-317-00166-00002	0.35	0.15	0.22	55					1.99	0.6	0.81	3			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-317-00167-00002	0.32	0.15	0.22	56					1.82	0.6	0.81	7			
	3/4"	Insul Low-E 340	WEA-N-317-00168-00002	0.35	0.11	0.22	55					1.99	0.6	0.81	1			
3/4"	Insul Low-E 340 w/Argon	WEA-N-317-00169-00002	0.32	0.11	0.22	56					1.82	0.6	0.81	5				
3/4"	Bronze Low E	WEA-N-317-00156-00012	0.35	0.23	0.30	55					1.99	0.6	0.81	8				
3/4"	Bronze Low E w/Argon	WEA-N-317-00157-00012	0.32	0.23	0.30	56					1.82	0.6	0.81	12				
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-317-00155-00003	0.46	0.38	0.39	44					2.61	0.6	0.81	3			
	3/4"	Insul Low-E	WEA-N-317-00156-00003	0.35	0.21	0.34	55					1.99	0.6	0.81	7			
	3/4"	Insul Low E w/Argon	WEA-N-317-00157-00003	0.32	0.21	0.34	56					1.82	0.6	0.81	11			
	3/4"	Passive Solar	WEA-N-317-00162-00003	0.35	0.34	0.38	55					1.99	0.6	0.81	14			
	3/4"	Passive Solar w/Argon	WEA-N-317-00163-00003	0.33	0.34	0.38	56					1.87	0.6	0.81	17			
	3/4"	Passive Solar Extreme	WEA-N-317-00164-00003	0.31	0.31	0.37	44					1.76	0.6	0.81	18			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-317-00165-00003	0.29	0.31	0.37	47	Y	Y			1.65	0.6	0.81	20			
	3/4"	Zo-e-shield 5	WEA-N-317-00158-00003	0.34	0.15	0.31	55					1.93	0.6	0.81	5			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-317-00159-00003	0.31	0.14	0.31	56					1.76	0.6	0.81	8			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-317-00160-00003	0.30	0.14	0.30	45	Y	Y	Y	Y	1.70	0.6	0.81	9			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-317-00161-00003	0.28	0.14	0.30	48	Y	Y	Y	Y	1.59	0.6	0.81	12			
	3/4"	Zo-e-shield 6	WEA-N-317-00177-00002	0.37	0.15	0.30	54					2.10	0.6	0.81	1			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-317-00179-00002	0.33	0.14	0.30	56					1.87	0.6	0.81	6			
	3/4"	Zo-e SafeGuard Certified	WEA-N-317-00193-00002	0.36	0.14	0.30	54					2.04	0.6	0.81	2			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-317-00195-00002	0.33	0.14	0.30	56					1.87	0.6	0.81	6			
	1"	Zo-e-shield 7	WEA-N-317-00197-00002	0.30	0.13	0.25	56	Y	Y	Y	Y	1.70	0.6	0.81	9			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-317-00199-00002	0.27	0.13	0.25	56	Y	Y	Y	Y	1.53	0.6	0.81	12			
	3/4"	Insul Low-E 240	WEA-N-317-00166-00003	0.35	0.14	0.19	55					1.99	0.6	0.81	3			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-317-00167-00003	0.32	0.13	0.19	56					1.82	0.6	0.81	6			
	3/4"	Insul Low-E 340	WEA-N-317-00168-00003	0.35	0.10	0.18	55					1.99	0.6	0.81	1			
3/4"	Insul Low-E 340 w/Argon	WEA-N-317-00169-00003	0.32	0.10	0.18	56					1.82	0.6	0.81	4				
3/4"	Bronze Low E	WEA-N-317-00156-00013	0.35	0.20	0.26	55					1.99	0.6	0.81	6				
3/4"	Bronze Low E w/Argon	WEA-N-317-00157-00013	0.32	0.20	0.26	56					1.82	0.6	0.81	10				