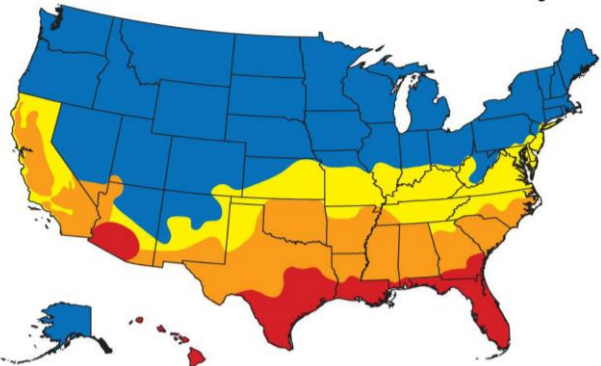


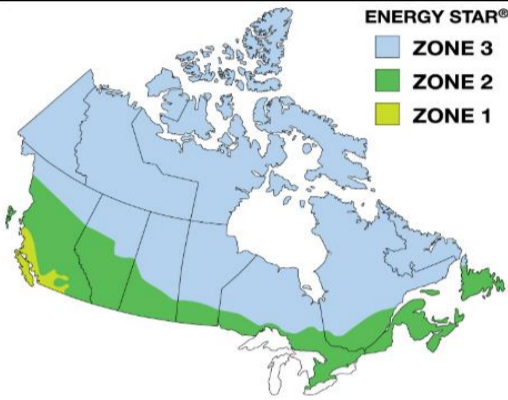
# Thermal Performance Data

Premium Sliding Patio Door (8714)

**WEATHER SHIELD.**

**WINDOWS & DOORS**

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**.

<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/3mm glass lite thicknesses.

**ENERGY PERFORMANCE DATA**

**Premium Sliding Patio Door (8714)**



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
<b>No GIA or SDL</b>	3/4"	Clear Insul	WEA-N-283-00738-00001	0.47	0.48	0.50	43					2.67	0.6	0.66	8			
	3/4"	Insul Low-E	WEA-N-283-00739-00001	0.34	0.26	0.43	54					1.93	0.6	0.66	11			
	3/4"	Insul Low E w/Argon	WEA-N-283-00747-00001	0.31	0.26	0.43	57					1.76	0.6	0.66	15			
	3/4"	Passive Solar	WEA-N-283-00742-00001	0.35	0.42	0.48	53					1.99	0.6	0.66	19			
	3/4"	Passive Solar w/Argon	WEA-N-283-00750-00001	0.32	0.42	0.48	54					1.82	0.6	0.66	23			
	3/4"	Passive Solar Extreme	WEA-N-283-00743-00001	0.30	0.38	0.47	42	Y	Y			1.70	0.6	0.66	23			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-283-00751-00001	0.27	0.38	0.47	43	Y	Y			1.53	0.6	0.66	27	Y		
	3/4"	Zo-e-shield 5	WEA-N-283-00740-00001	0.34	0.18	0.39	54					1.93	0.6	0.66	7			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-283-00748-00001	0.30	0.17	0.39	57	Y	Y	Y	Y	1.70	0.6	0.66	11			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-283-00741-00001	0.29	0.17	0.38	43	Y	Y	Y	Y	1.65	0.6	0.66	12			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-283-00749-00001	0.26	0.17	0.38	44	Y	Y	Y	Y	1.48	0.6	0.66	16	Y		
	3/4"	Zo-e-shield 6	WEA-N-283-00774-00001	0.35	0.18	0.39	50					1.99	0.6	0.66	6			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-283-00790-00001	0.31	0.17	0.39	53					1.76	0.6	0.66	10			
	3/4"	Zo-e SafeGuard Certified	WEA-N-283-00784-00001	0.35	0.17	0.38	50					1.99	0.6	0.66	5			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-283-00800-00001	0.31	0.17	0.38	53					1.76	0.6	0.66	10			
	3/4"	Insul Low-E 240	WEA-N-283-00744-00001	0.35	0.16	0.24	53					1.99	0.6	0.66	4			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-283-00752-00001	0.32	0.16	0.24	54					1.82	0.6	0.66	8			
	3/4"	Insul Low-E 340	WEA-N-283-00745-00001	0.34	0.12	0.23	54					1.93	0.6	0.66	3			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-283-00753-00001	0.31	0.12	0.23	54					1.76	0.6	0.66	7			
	3/4"	Bronze Low E	WEA-N-283-00739-00011	0.34	0.25	0.33	54					1.93	0.6	0.66	11			
3/4"	Bronze Low E w/Argon	WEA-N-283-00747-00011	0.31	0.25	0.33	57					1.76	0.6	0.66	15				
<b>Less Than 1" GIA or SDL</b>	3/4"	Clear Insul	WEA-N-283-00738-00002	0.47	0.41	0.43	43					2.67	0.6	0.66	4			
	3/4"	Insul Low-E	WEA-N-283-00739-00002	0.34	0.23	0.37	54					1.93	0.6	0.66	10			
	3/4"	Insul Low E w/Argon	WEA-N-283-00747-00002	0.31	0.23	0.37	57					1.76	0.6	0.66	13			
	3/4"	Passive Solar	WEA-N-283-00742-00002	0.35	0.37	0.41	53					1.99	0.6	0.66	16			
	3/4"	Passive Solar w/Argon	WEA-N-283-00750-00002	0.32	0.37	0.41	54					1.82	0.6	0.66	20			
	3/4"	Passive Solar Extreme	WEA-N-283-00743-00002	0.30	0.33	0.40	42	Y	Y			1.70	0.6	0.66	21			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-283-00751-00002	0.27	0.33	0.40	43	Y	Y			1.53	0.6	0.66	24	Y		
	3/4"	Zo-e-shield 5	WEA-N-283-00740-00002	0.34	0.15	0.34	54					1.93	0.6	0.66	5			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-283-00748-00002	0.30	0.15	0.34	57	Y	Y	Y	Y	1.70	0.6	0.66	10			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-283-00741-00002	0.29	0.15	0.33	43	Y	Y	Y	Y	1.65	0.6	0.66	11			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-283-00749-00002	0.26	0.15	0.33	44	Y	Y	Y	Y	1.48	0.6	0.66	15			
	3/4"	Zo-e-shield 6	WEA-N-283-00775-00001	0.37	0.16	0.33	50					2.10	0.6	0.66	2			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-283-00791-00001	0.33	0.15	0.33	53					1.87	0.6	0.66	6			
	3/4"	Zo-e SafeGuard Certified	WEA-N-283-00785-00001	0.37	0.15	0.33	50					2.10	0.6	0.66	1			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-283-00801-00001	0.33	0.15	0.33	53					1.87	0.6	0.66	6			
	3/4"	Insul Low-E 240	WEA-N-283-00744-00002	0.35	0.15	0.21	53					1.99	0.6	0.66	4			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-283-00752-00002	0.32	0.14	0.21	54					1.82	0.6	0.66	7			
	3/4"	Insul Low-E 340	WEA-N-283-00745-00002	0.34	0.11	0.20	54					1.93	0.6	0.66	3			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-283-00753-00002	0.31	0.10	0.20	54					1.76	0.6	0.66	6			
	3/4"	Bronze Low E	WEA-N-283-00739-00012	0.34	0.22	0.28	54					1.93	0.6	0.66	9			
3/4"	Bronze Low E w/Argon	WEA-N-283-00747-00012	0.31	0.21	0.28	57					1.76	0.6	0.66	12				
<b>1" Or Over GIA or SDL</b>	3/4"	Clear Insul	WEA-N-283-00738-00003	0.47	0.36	0.36	43					2.67	0.6	0.66	1			
	3/4"	Insul Low-E	WEA-N-283-00739-00003	0.34	0.20	0.32	54					1.93	0.6	0.66	8			
	3/4"	Insul Low E w/Argon	WEA-N-283-00747-00003	0.31	0.20	0.32	57					1.76	0.6	0.66	12			
	3/4"	Passive Solar	WEA-N-283-00742-00003	0.35	0.31	0.35	53					1.99	0.6	0.66	13			
	3/4"	Passive Solar w/Argon	WEA-N-283-00750-00003	0.32	0.32	0.35	54					1.82	0.6	0.66	17			
	3/4"	Passive Solar Extreme	WEA-N-283-00743-00003	0.30	0.29	0.34	42	Y	Y			1.70	0.6	0.66	18			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-283-00751-00003	0.27	0.29	0.34	43	Y	Y			1.53	0.6	0.66	22	Y		
	3/4"	Zo-e-shield 5	WEA-N-283-00740-00003	0.34	0.14	0.28	54					1.93	0.6	0.66	5			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-283-00748-00003	0.30	0.13	0.28	57	Y	Y	Y	Y	1.70	0.6	0.66	9			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-283-00741-00003	0.29	0.13	0.28	43	Y	Y	Y	Y	1.65	0.6	0.66	10			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-283-00749-00003	0.26	0.13	0.28	44	Y	Y	Y	Y	1.48	0.6	0.66	14			
	3/4"	Zo-e-shield 6	WEA-N-283-00775-00002	0.37	0.14	0.28	50					2.10	0.6	0.66	1			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-283-00791-00002	0.33	0.13	0.28	53					1.87	0.6	0.66	5			
	3/4"	Zo-e SafeGuard Certified	WEA-N-283-00785-00002	0.37	0.13	0.28	50					2.10	0.6	0.66	0			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-283-00801-00002	0.33	0.13	0.28	53					1.87	0.6	0.66	5			
	3/4"	Insul Low-E 240	WEA-N-283-00744-00003	0.35	0.13	0.18	53					1.99	0.6	0.66	3			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-283-00752-00003	0.32	0.12	0.18	54					1.82	0.6	0.66	6			
	3/4"	Insul Low-E 340	WEA-N-283-00745-00003	0.34	0.09	0.17	54					1.93	0.6	0.66	2			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-283-00753-00003	0.31	0.09	0.17	54					1.76	0.6	0.66	5			
	3/4"	Bronze Low E	WEA-N-283-00739-00013	0.34	0.19	0.24	54					1.93	0.6	0.66	7			
3/4"	Bronze Low E w/Argon	WEA-N-283-00747-00013	0.31	0.19	0.24	57					1.76	0.6	0.66	11				