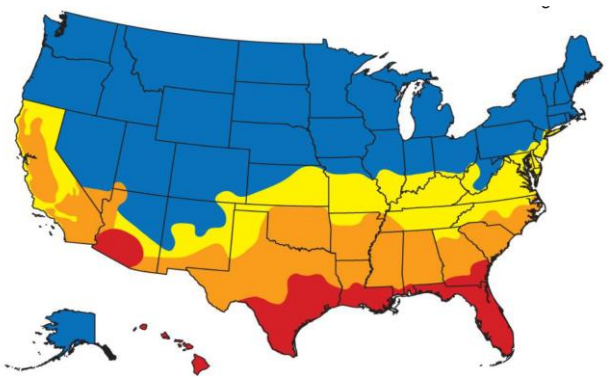
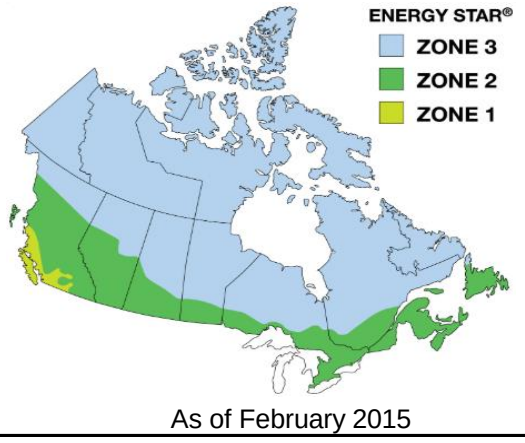
Thermal Performance Data

Weather Shield Sliding Patio Door (6714)

WEATHER SHIELD.
WINDOWS & DOORS

US Qualification Criteria	Climate Zone	U-Value	SHGC
	Northern	<=0.30	<=0.40
	North-Central		
	South-Central		<=0.25
	Southern		

As of January 2016

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
	Zone 1	<=1.60		>=25
	Zone 2	<=1.40		>=29
	Zone 3	<=1.20		>=34

Air Leakage <= 0.3 cfm/ft2

As of February 2015

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 resist- ance 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.

Revised 10/28/21

ENERGY PERFORMANCE DATA

Weather Shield Sliding Patio Door (6714)

Grille Option	Glazing thickness	[a]NFRC Total Unit Calculations [b]Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 6.0				CANADIAN ENERGY PEFORMANCE DATA				CANADA ENERGY STAR v 4.1		
								N	NC	SC	S	U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/ Exfiltration Average	Energy Rating	1	2	3
No GIA or SDL	3/4"	Clear Insul	WEA-N-336-00070-00001	0.45	0.59	0.62	44					2.56	0.6	0.26	18			
	3/4"	Insul Low-E	WEA-N-336-00071-00001	0.32	0.32	0.54	55					1.82	0.6	0.26	18			
	3/4"	Insul Low E w/Argon	WEA-N-336-00079-00001	0.29	0.31	0.54	58	Y	Y			1.65	0.6	0.26	21			
	3/4"	Passive Solar	WEA-N-336-00074-00001	0.33	0.52	0.60	54					1.87	0.6	0.26	29	Y		
	3/4"	Passive Solar w/Argon	WEA-N-336-00082-00001	0.30	0.52	0.60	57					1.70	0.6	0.26	32	Y	Y	
	3/4"	Passive Solar Extreme	WEA-N-336-00075-00001	0.28	0.47	0.58	43					1.59	0.6	0.26	32	Y	Y	
	3/4"	Passive Solar Extreme w/Argon	WEA-N-336-00083-00001	0.25	0.47	0.58	46					1.42	0.6	0.26	36	Y	Y	Y
	3/4"	Zo-e-shield 5	WEA-N-336-00072-00001	0.32	0.21	0.49	55					1.82	0.6	0.26	12			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-336-00080-00001	0.28	0.21	0.49	58	Y	Y	Y	Y	1.59	0.6	0.26	17	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-336-00073-00001	0.27	0.21	0.48	44	Y	Y	Y	Y	1.53	0.6	0.26	18	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-336-00081-00001	0.25	0.20	0.48	47	Y	Y	Y	Y	1.42	0.6	0.26	20	Y		
	3/4"	Zo-e-shield 6	WEA-N-336-00106-00001	0.33	0.21	0.48	53					1.87	0.6	0.26	11			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-336-00122-00001	0.29	0.21	0.48	56	Y	Y	Y	Y	1.65	0.6	0.26	15			
	3/4"	Zo-e SafeGuard Certified	WEA-N-336-00116-00001	0.33	0.21	0.47	54					1.87	0.6	0.26	11			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-336-00132-00001	0.29	0.21	0.47	57	Y	Y	Y	Y	1.65	0.6	0.26	15			
	3/4"	Insul Low-E 240	WEA-N-336-00076-00001	0.33	0.20	0.30	54					1.87	0.6	0.26	10			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-336-00084-00001	0.29	0.19	0.30	57	Y	Y	Y	Y	1.65	0.6	0.26	14			
	3/4"	Insul Low-E 340	WEA-N-336-00077-00001	0.32	0.14	0.29	55					1.82	0.6	0.26	8			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-336-00085-00001	0.29	0.14	0.29	58	Y	Y	Y	Y	1.65	0.6	0.26	11			
	3/4"	Bronze Low E	WEA-N-336-00071-00011	0.32	0.30	0.41	55					1.82	0.6	0.26	17			
	3/4"	Bronze Low E w/Argon	WEA-N-336-00079-00011	0.29	0.30	0.41	58	Y	Y			1.65	0.6	0.26	21			
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-336-00070-00002	0.45	0.52	0.54	44					2.56	0.6	0.26	13			
	3/4"	Insul Low-E	WEA-N-336-00071-00002	0.32	0.28	0.47	55					1.82	0.6	0.26	16			
	3/4"	Insul Low E w/Argon	WEA-N-336-00079-00002	0.29	0.28	0.47	58	Y	Y			1.65	0.6	0.26	20			
	3/4"	Passive Solar	WEA-N-336-00074-00002	0.33	0.46	0.52	54					1.87	0.6	0.26	25	Y		
	3/4"	Passive Solar w/Argon	WEA-N-336-00082-00002	0.30	0.46	0.52	57					1.70	0.6	0.26	29	Y		
	3/4"	Passive Solar Extreme	WEA-N-336-00075-00002	0.28	0.41	0.51	43					1.59	0.6	0.26	28	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-336-00083-00002	0.25	0.42	0.51	46					1.42	0.6	0.26	33	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-336-00072-00002	0.32	0.19	0.43	55					1.82	0.6	0.26	11			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-336-00080-00002	0.28	0.19	0.43	58	Y	Y	Y	Y	1.59	0.6	0.26	16			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-336-00073-00002	0.27	0.18	0.42	44	Y	Y	Y	Y	1.53	0.6	0.26	16	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-336-00081-00002	0.25	0.18	0.42	47	Y	Y	Y	Y	1.42	0.6	0.26	19	Y		
	3/4"	Zo-e-shield 6	WEA-N-336-00107-00001	0.35	0.19	0.42	53					1.99	0.6	0.26	7			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-336-00123-00001	0.31	0.19	0.42	56					1.76	0.6	0.26	12			
	3/4"	Zo-e SafeGuard Certified	WEA-N-336-00117-00001	0.35	0.19	0.41	54					1.99	0.6	0.26	7			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-336-00133-00001	0.30	0.18	0.41	57	Y	Y	Y	Y	1.70	0.6	0.26	13			
	3/4"	Insul Low-E 240	WEA-N-336-00076-00002	0.33	0.18	0.26	54					1.87	0.6	0.26	9			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-336-00084-00002	0.29	0.17	0.26	57	Y	Y	Y	Y	1.65	0.6	0.26	13			
	3/4"	Insul Low-E 340	WEA-N-336-00077-00002	0.32	0.13	0.26	55					1.82	0.6	0.26	7			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-336-00085-00002	0.29	0.12	0.26	58	Y	Y	Y	Y	1.65	0.6	0.26	10			
	3/4"	Bronze Low E	WEA-N-336-00071-00012	0.32	0.27	0.35	55					1.82	0.6	0.26	15			
	3/4"	Bronze Low E w/Argon	WEA-N-336-00079-00012	0.29	0.26	0.35	58	Y	Y			1.65	0.6	0.26	18			
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-336-00070-00003	0.45	0.45	0.47	44					2.56	0.6	0.26	9			
	3/4"	Insul Low-E	WEA-N-336-00071-00003	0.32	0.25	0.41	55					1.82	0.6	0.26	14			
	3/4"	Insul Low E w/Argon	WEA-N-336-00079-00003	0.29	0.24	0.41	58	Y	Y	Y	Y	1.65	0.6	0.26	17			
	3/4"	Passive Solar	WEA-N-336-00074-00003	0.33	0.40	0.45	54					1.87	0.6	0.26	22			
	3/4"	Passive Solar w/Argon	WEA-N-336-00082-00003	0.30	0.40	0.45	57	Y	Y			1.70	0.6	0.26	25	Y		
	3/4"	Passive Solar Extreme	WEA-N-336-00075-00003	0.28	0.36	0.44	43	Y	Y			1.59	0.6	0.26	25	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-336-00083-00003	0.25	0.36	0.44	46	Y	Y			1.42	0.6	0.26	29	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-336-00072-00003	0.32	0.17	0.37	55					1.82	0.6	0.26	9			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-336-00080-00003	0.28	0.16	0.37	58	Y	Y	Y	Y	1.59	0.6	0.26	14			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-336-00073-00003	0.27	0.16	0.36	44	Y	Y	Y	Y	1.53	0.6	0.26	15			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-336-00081-00003	0.25	0.16	0.36	47	Y	Y	Y	Y	1.42	0.6	0.26	18	Y		
	3/4"	Zo-e-shield 6	WEA-N-336-00107-00002	0.35	0.17	0.36	53					1.99	0.6	0.26	6			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-336-00123-00002	0.31	0.16	0.36	56					1.76	0.6	0.26	10			
	3/4"	Zo-e SafeGuard Certified	WEA-N-336-00117-00002	0.35	0.17	0.36	54					1.99	0.6	0.26	6			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-336-00133-00002	0.30	0.16	0.36	57	Y	Y	Y	Y	1.70	0.6	0.26	11			
	3/4"	Insul Low-E 240	WEA-N-336-00076-00003	0.33	0.16	0.23	54					1.87	0.6	0.26	8			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-336-00084-00003	0.29	0.15	0.23	57	Y	Y	Y	Y	1.65	0.6	0.26	12			
	3/4"	Insul Low-E 340	WEA-N-336-00077-00003	0.32	0.11	0.22	55					1.82	0.6	0.26	6			
	3/4"	Insul Low-E 340 w/Argon	WEA-N-336-00085-00003	0.29	0.11	0.22	58	Y	Y	Y	Y	1.65	0.6	0.26	10			
	3/4"	Bronze Low E	WEA-N-336-00071-00013	0.32	0.23	0.31	55					1.82	0.6	0.26	13			
	3/4"	Bronze Low E w/Argon	WEA-N-336-00079-00013	0.29	0.23	0.31	58	Y	Y	Y	Y	1.65	0.6	0.26	17			