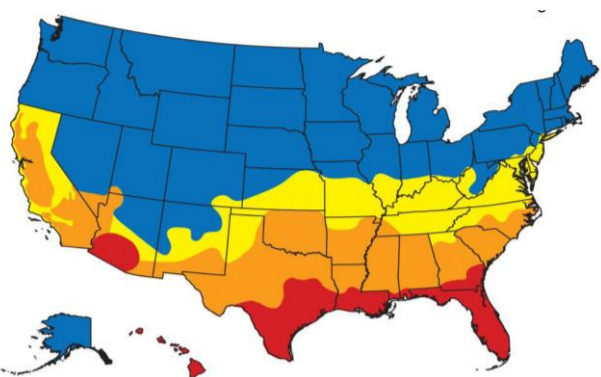


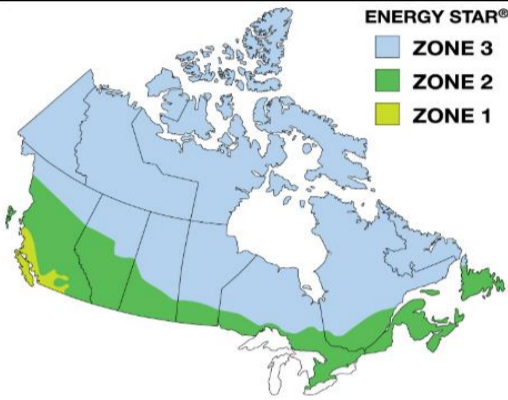
Thermal Performance Data

Premium 2-1/4" Outswing Side Hinge French Door (8611)

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**.

^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								ENERGY STAR		CANADIAN ENERGY PERFORMANCE DATA				ENERGY STAR				
Premium 2-1/4" Outswing Side Hinge French Door (8611)								US ENERGY STAR V 6.0						CANADA ENERGY STAR v 4.1				
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	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	1"	Clear Insul	WEA-N-249-00194-00001	0.41	0.41	0.42	44					2.33	0.6	0.15	12			
	1"	Insul Low-E	WEA-N-249-00201-00001	0.33	0.22	0.37	55					1.87	0.6	0.15	11			
	1"	Insul Low E w/Argon	WEA-N-249-00208-00001	0.31	0.22	0.37	58					1.76	0.6	0.15	14			
	1"	Passive Solar	WEA-N-249-00251-00001	0.34	0.36	0.41	56					1.93	0.6	0.15	18			
	1"	Passive Solar w/Argon	WEA-N-249-00272-00001	0.31	0.36	0.41	39					1.76	0.6	0.15	22			
	1"	Zo-e-shield 5	WEA-N-249-00215-00001	0.33	0.15	0.33	54					1.87	0.6	0.15	7			
	1"	Zo-e-shield 5 w/ Argon	WEA-N-249-00233-00001	0.30	0.15	0.33	48	Y	Y	Y	Y	1.70	0.6	0.15	11			
	1"	Zo-e-shield 5 Extreme	WEA-N-249-00218-00001	0.29	0.15	0.33	42	Y	Y	Y	Y	1.65	0.6	0.15	12			
	1"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-249-00236-00001	0.27	0.15	0.33	48	Y	Y	Y	Y	1.53	0.6	0.15	15			
	1"	Zo-e-shield 6	WEA-N-249-00221-00001	0.32	0.15	0.33	57					1.82	0.6	0.15	9			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-249-00239-00001	0.30	0.15	0.33	58	Y	Y	Y	Y	1.70	0.6	0.15	11			
	1"	Zo-e SafeGuard Certified	WEA-N-249-00225-00001	0.32	0.15	0.33	46					1.82	0.6	0.15	9			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-249-00243-00001	0.30	0.15	0.33	60	Y	Y	Y	Y	1.70	0.6	0.15	11			
	1"	Insul Low-E 240	WEA-N-249-00258-00001	0.33	0.14	0.21	58					1.87	0.6	0.15	7			
	1"	Insul Low-E 240 w/Argon	WEA-N-249-00279-00001	0.31	0.14	0.21	60					1.76	0.6	0.15	9			
	1"	Insul Low-E 340	WEA-N-249-00265-00001	0.33	0.10	0.20	59					1.87	0.6	0.15	5			
	1"	Insul Low-E 340 w/Argon	WEA-N-249-00286-00001	0.31	0.10	0.20	56					1.76	0.6	0.15	7			
	1"	Bronze Low E	WEA-N-249-00201-00011	0.33	0.21	0.27	55					1.87	0.6	0.15	11			
1"	Bronze Low E w/Argon	WEA-N-249-00208-00011	0.31	0.21	0.27	58					1.76	0.6	0.15	13				
Less Than 1" GIA or SDL	1"	Clear Insul	WEA-N-249-00194-00002	0.41	0.35	0.36	44					2.33	0.6	0.15	9			
	1"	Insul Low-E	WEA-N-249-00201-00002	0.33	0.19	0.31	55					1.87	0.6	0.15	10			
	1"	Insul Low E w/Argon	WEA-N-249-00208-00002	0.31	0.19	0.31	58					1.76	0.6	0.15	12			
	1"	Passive Solar	WEA-N-249-00251-00002	0.34	0.31	0.35	56					1.93	0.6	0.15	15			
	1"	Passive Solar w/Argon	WEA-N-249-00272-00002	0.31	0.31	0.35	39					1.76	0.6	0.15	19			
	1"	Zo-e-shield 5	WEA-N-249-00215-00002	0.33	0.13	0.28	54					1.87	0.6	0.15	6			
	1"	Zo-e-shield 5 w/ Argon	WEA-N-249-00233-00002	0.30	0.13	0.28	48	Y	Y	Y	Y	1.70	0.6	0.15	10			
	1"	Zo-e-shield 5 Extreme	WEA-N-249-00218-00002	0.29	0.13	0.28	42	Y	Y	Y	Y	1.65	0.6	0.15	11			
	1"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-249-00236-00002	0.27	0.13	0.28	48	Y	Y	Y	Y	1.53	0.6	0.15	14			
	1"	Zo-e-shield 6	WEA-N-249-00221-00002	0.32	0.13	0.28	57					1.82	0.6	0.15	7			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-249-00239-00002	0.30	0.13	0.28	58	Y	Y	Y	Y	1.70	0.6	0.15	10			
	1"	Zo-e SafeGuard Certified	WEA-N-249-00225-00002	0.32	0.13	0.28	46					1.82	0.6	0.15	7			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-249-00243-00002	0.30	0.13	0.28	60	Y	Y	Y	Y	1.70	0.6	0.15	10			
	1"	Insul Low-E 240	WEA-N-249-00258-00002	0.33	0.12	0.17	58					1.87	0.6	0.15	6			
	1"	Insul Low-E 240 w/Argon	WEA-N-249-00279-00002	0.31	0.12	0.17	60					1.76	0.6	0.15	8			
	1"	Insul Low-E 340	WEA-N-249-00265-00002	0.33	0.09	0.17	59					1.87	0.6	0.15	4			
	1"	Insul Low-E 340 w/Argon	WEA-N-249-00286-00002	0.31	0.09	0.17	56					1.76	0.6	0.15	6			
	1"	Bronze Low E	WEA-N-249-00201-00012	0.33	0.18	0.23	55					1.87	0.6	0.15	9			
1"	Bronze Low E w/Argon	WEA-N-249-00208-00012	0.31	0.18	0.23	58					1.76	0.6	0.15	12				
1" Or Over GIA or SDL	1"	Clear Insul	WEA-N-249-00194-00003	0.41	0.30	0.30	44					2.33	0.6	0.15	6			
	1"	Insul Low-E	WEA-N-249-00201-00003	0.33	0.17	0.26	55					1.87	0.6	0.15	9			
	1"	Insul Low E w/Argon	WEA-N-249-00208-00003	0.31	0.16	0.26	58					1.76	0.6	0.15	10			
	1"	Passive Solar	WEA-N-249-00251-00003	0.34	0.26	0.29	56					1.93	0.6	0.15	12			
	1"	Passive Solar w/Argon	WEA-N-249-00272-00003	0.31	0.26	0.29	39					1.76	0.6	0.15	16			
	1"	Zo-e-shield 5	WEA-N-249-00215-00003	0.33	0.11	0.24	54					1.87	0.6	0.15	5			
	1"	Zo-e-shield 5 w/ Argon	WEA-N-249-00233-00003	0.30	0.11	0.24	48	Y	Y	Y	Y	1.70	0.6	0.15	9			
	1"	Zo-e-shield 5 Extreme	WEA-N-249-00218-00003	0.29	0.11	0.23	42	Y	Y	Y	Y	1.65	0.6	0.15	10			
	1"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-249-00236-00003	0.27	0.11	0.23	48	Y	Y	Y	Y	1.53	0.6	0.15	13			
	1"	Zo-e-shield 6	WEA-N-249-00221-00003	0.32	0.11	0.23	57					1.82	0.6	0.15	6			
	1"	Zo-e-shield 6 w/ Argon	WEA-N-249-00239-00003	0.30	0.11	0.23	58	Y	Y	Y	Y	1.70	0.6	0.15	9			
	1"	Zo-e SafeGuard Certified	WEA-N-249-00225-00003	0.32	0.11	0.23	46					1.82	0.6	0.15	6			
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-249-00243-00003	0.30	0.11	0.23	60	Y	Y	Y	Y	1.70	0.6	0.15	9			
	1"	Insul Low-E 240	WEA-N-249-00258-00003	0.33	0.11	0.15	58					1.87	0.6	0.15	5			
	1"	Insul Low-E 240 w/Argon	WEA-N-249-00279-00003	0.31	0.11	0.15	60					1.76	0.6	0.15	8			
	1"	Insul Low-E 340	WEA-N-249-00265-00003	0.33	0.08	0.14	59					1.87	0.6	0.15	3			
	1"	Insul Low-E 340 w/Argon	WEA-N-249-00286-00003	0.31	0.08	0.14	56					1.76	0.6	0.15	6			
	1"	Bronze Low E	WEA-N-249-00201-00013	0.33	0.16	0.19	55					1.87	0.6	0.15	8			
1"	Bronze Low E w/Argon	WEA-N-249-00208-00013	0.31	0.16	0.19	58					1.76	0.6	0.15	10				