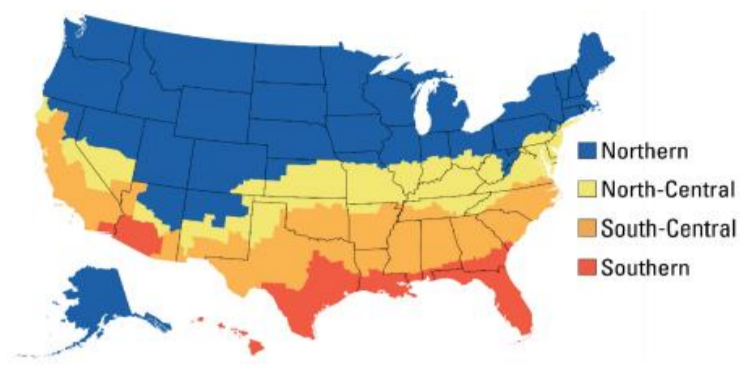



Thermal Performance Data

Classic Inswing Hinged Door

WEATHER SHIELD.

WINDOWS & DOORS

US Qualification Criteria	Climate Zone	U-Value	SHGC
 <p>Energy Star Version 7.0 Starting October 2023</p>	Northern	≤0.26	≤0.40
	North-Central		
	South-Central	≤0.28	≤0.23
	Southern		

Canadian Qualification Criteria	U-Value	or	Energy Rating
 <p>Energy Star Version 5.0 starting January 2020</p>	≤1.22		≥34
	Air Leakage ≤ 1.5 L/s/m ²		

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 glass lite thicknesses.

ENERGY PERFORMANCE DATA

Classic Inswing Hinged Door



**US
ENERGY STAR
V 7.0**

CANADIAN ENERGY
PERFORMANCE DATA



CANADA
ENERGY
STAR v 5.0

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 7.0				U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/Exfiltration Average	Energy Rating
								N	NC	SC	S				
No GIA or SDL	3/4"	Insul Low-E	PEL-N-221-00469-00001	0.30	0.23	0.43	58					1.70	1.5	0.05	16
	3/4"	Insul Low E w/Argon	PEL-N-221-00473-00001	0.27	0.23	0.43	62			Y	Y	1.53	1.5	0.05	20
	3/4"	Low-E Extreme	PEL-N-221-00453-00001	0.26	0.23	0.42	45	Y	Y	Y	Y	1.48	1.5	0.05	21
	3/4"	Low E Extreme w/Argon	PEL-N-221-00457-00001	0.24	0.23	0.42	49	Y	Y	Y	Y	1.36	1.5	0.05	23
	3/4"	Passive Solar Low-E	PEL-N-221-00461-00001	0.31	0.43	0.49	58					1.76	1.5	0.05	26
	3/4"	Passive Solar Low-E w/Argon	PEL-N-221-00465-00001	0.28	0.43	0.49	61					1.59	1.5	0.05	30
	3/4"	Passive Solar Low-E Extreme	PEL-N-221-00509-00001	0.26	0.39	0.48	44	Y	Y			1.48	1.5	0.05	30
	3/4"	Passive Solar Low-E Extreme w/Argon	PEL-N-221-00513-00001	0.24	0.39	0.48	48	Y	Y			1.36	1.5	0.05	33
	3/4"	Zo-e-shield 5	PEL-N-221-00445-00001	0.30	0.18	0.40	59					1.70	1.5	0.05	13
	3/4"	Zo-e-shield 5 w/ Argon	PEL-N-221-00449-00001	0.27	0.17	0.40	62			Y	Y	1.53	1.5	0.05	16
	3/4"	Zo-e-shield 5 Extreme	PEL-N-221-00525-00001	0.25	0.17	0.39	46	Y	Y	Y	Y	1.42	1.5	0.05	19
	3/4"	Zo-e-shield 5 Extreme w/ Argon	PEL-N-221-00529-00001	0.24	0.17	0.39	49	Y	Y	Y	Y	1.36	1.5	0.05	20
Less Than 1" GIA or SDL	3/4"	Insul Low-E	PEL-N-221-00470-00001	0.30	0.21	0.37	58					1.70	1.5	0.05	15
	3/4"	Insul Low E w/Argon	PEL-N-221-00474-00001	0.27	0.20	0.37	62			Y	Y	1.53	1.5	0.05	18
	3/4"	Low-E Extreme	PEL-N-221-00454-00001	0.26	0.20	0.36	45	Y	Y	Y	Y	1.48	1.5	0.05	19
	3/4"	Low E Extreme w/Argon	PEL-N-221-00458-00001	0.24	0.20	0.36	49	Y	Y	Y	Y	1.36	1.5	0.05	22
	3/4"	Passive Solar	PEL-N-221-00462-00001	0.31	0.37	0.42	58					1.76	1.5	0.05	23
	3/4"	Passive Solar w/Argon	PEL-N-221-00466-00001	0.28	0.37	0.42	61					1.59	1.5	0.05	26
	3/4"	Passive Solar Extreme	PEL-N-221-00510-00001	0.26	0.34	0.41	44	Y	Y			1.48	1.5	0.05	27
	3/4"	Passive Solar Extreme w/Argon	PEL-N-221-00514-00001	0.24	0.34	0.41	48	Y	Y			1.36	1.5	0.05	30
	3/4"	Zo-e-shield 5	PEL-N-221-00446-00001	0.30	0.15	0.35	59					1.70	1.5	0.05	11
	3/4"	Zo-e-shield 5 w/ Argon	PEL-N-221-00450-00001	0.27	0.15	0.35	62			Y	Y	1.53	1.5	0.05	15
	3/4"	Zo-e-shield 5 Extreme	PEL-N-221-00526-00001	0.25	0.15	0.34	46	Y	Y	Y	Y	1.42	1.5	0.05	17
	3/4"	Zo-e-shield 5 Extreme w/ Argon	PEL-N-221-00530-00001	0.24	0.15	0.34	49	Y	Y	Y	Y	1.36	1.5	0.05	19