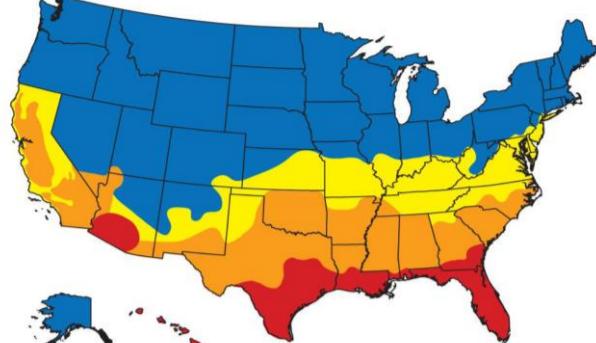


Thermal Performance Data

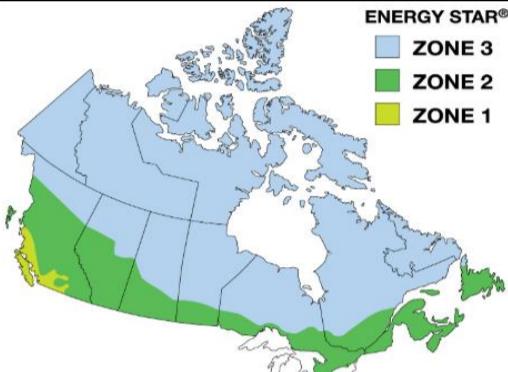
Premium Wood Double Hung Windows (6120)

WEATHER SHIELD.

WINDOWS & DOORS

US Qualification Criteria		Climate Zone	U-Value	SHGC	
	Northern	Northern	<=0.27	Any	Prescriptive
			=0.28	>=0.32	Equivalent Energy Performance
			=0.29	>=0.37	
			=0.30	>=0.42	
	North-Central	North-Central	<=0.30	<=0.40	
	South-Central	South-Central	<=0.30	<=0.25	
	Southern	Southern	<=0.40	<=0.25	

As of January 2016

Canadian Qualification Criteria		Climate Zone	U-Value	or	Energy Rating
	ENERGY STAR®	Zone 1	<=1.60	or	>=25
		Zone 2	<=1.40		>=29
		Zone 3	<=1.20		>=34
Air Leakage <= 0.3 cfm/ft ²					

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 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											CANADIAN ENERGY PEFORMANCE DATA				
Premium Wood Double Hung Windows (6120)											CANADA ENERGY STAR v 4.1				
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 Ls/m ²	Air Infiltration/Exfiltration Average	Energy Rating
								N	NC	SC	S				
No GIA or SDL	3/4"	Clear Insul	WEA-N-329-00001-00001	0.46	0.55	0.58	43					2.61	0.6	0.07	14
	3/4"	Insul Low-E	WEA-N-329-00002-00001	0.33	0.30	0.51	53					1.87	0.6	0.07	16
	3/4"	Insul Low E w/Argon	WEA-N-329-00010-00001	0.30	0.30	0.51	56	Y				1.70	0.6	0.07	20
	3/4"	Passive Solar	WEA-N-329-00005-00001	0.34	0.49	0.56	52					1.93	0.6	0.07	26
	3/4"	Passive Solar w/Argon	WEA-N-329-00013-00001	0.31	0.49	0.56	55					1.76	0.6	0.07	30
	3/4"	Passive Solar Extreme	WEA-N-329-00006-00001	0.29	0.44	0.55	41	Y				1.65	0.6	0.07	29
	3/4"	Passive Solar Extreme w/Argon	WEA-N-329-00014-00001	0.27	0.44	0.55	45	Y				1.53	0.6	0.07	32
	3/4"	Zo-e-shield 5	WEA-N-329-00003-00001	0.33	0.20	0.46	53				Y	1.87	0.6	0.07	10
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-329-00011-00001	0.30	0.20	0.46	56	Y	Y	Y		1.70	0.6	0.07	14
	3/4"	Zo-e-shield 5 Extreme	WEA-N-329-00004-00001	0.28	0.19	0.45	42	Y	Y	Y	Y	1.59	0.6	0.07	16
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-329-00012-00001	0.26	0.19	0.45	46	Y	Y	Y	Y	1.48	0.6	0.07	18
	3/4"	Zo-e-shield 6	WEA-N-329-00051-00001	0.33	0.20	0.45	55				Y	1.87	0.6	0.07	10
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-329-00059-00001	0.30	0.19	0.45	58	Y	Y	Y	Y	1.70	0.6	0.07	14
	3/4"	Zo-e SafeGuard Certified	WEA-N-329-00056-00001	0.33	0.19	0.45	55				Y	1.87	0.6	0.07	10
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-329-00064-00001	0.29	0.19	0.45	58	Y	Y	Y	Y	1.65	0.6	0.07	15
	3/4"	Zo-e-shield 7	WEA-N-329-00033-00001	0.27	0.18	0.37	63	Y	Y	Y	Y	1.53	0.6	0.07	17
	3/4"	Zo-e-shield 7 w/ Argon	WEA-N-329-00037-00001	0.24	0.18	0.37	66	Y	Y	Y	Y	1.36	0.6	0.07	20
	3/4"	Insul Low-E 240	WEA-N-329-00007-00001	0.34	0.19	0.28	52				Y	1.93	0.6	0.07	9
	3/4"	Insul Low-E 240 w/Argon	WEA-N-329-00015-00001	0.31	0.18	0.28	55				Y	1.76	0.6	0.07	12
	3/4"	Insul Low-E 340	WEA-N-329-00008-00001	0.33	0.13	0.27	53				Y	1.87	0.6	0.07	6
	3/4"	Insul Low-E 340 w/Argon	WEA-N-329-00016-00001	0.30	0.13	0.27	56	Y	Y	Y	Y	1.70	0.6	0.07	10
	3/4"	Bronze Low E	WEA-N-329-00002-00011	0.33	0.28	0.38	53					1.87	0.6	0.07	15
	3/4"	Bronze Low E w/Argon	WEA-N-329-00010-00011	0.30	0.28	0.38	56	Y				1.70	0.6	0.07	19
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-329-00001-00002	0.46	0.49	0.52	43					2.61	0.6	0.07	11
	3/4"	Insul Low-E	WEA-N-329-00002-00002	0.33	0.27	0.45	53					1.87	0.6	0.07	15
	3/4"	Insul Low E w/Argon	WEA-N-329-00010-00002	0.30	0.26	0.45	56	Y				1.70	0.6	0.07	18
	3/4"	Passive Solar	WEA-N-329-00005-00002	0.34	0.43	0.50	52					1.93	0.6	0.07	22
	3/4"	Passive Solar w/Argon	WEA-N-329-00013-00002	0.31	0.44	0.50	55					1.76	0.6	0.07	27
	3/4"	Passive Solar Extreme	WEA-N-329-00006-00002	0.29	0.39	0.49	41	Y	Y			1.65	0.6	0.07	26
	3/4"	Passive Solar Extreme w/Argon	WEA-N-329-00014-00002	0.27	0.40	0.49	45	Y	Y			1.53	0.6	0.07	29
	3/4"	Zo-e-shield 5	WEA-N-329-00003-00002	0.33	0.18	0.41	53				Y	1.87	0.6	0.07	9
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-329-00011-00002	0.30	0.18	0.41	56	Y	Y	Y		1.70	0.6	0.07	13
	3/4"	Zo-e-shield 5 Extreme	WEA-N-329-00004-00002	0.28	0.17	0.40	42	Y	Y	Y	Y	1.59	0.6	0.07	15
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-329-00012-00002	0.26	0.17	0.40	46	Y	Y	Y	Y	1.48	0.6	0.07	17
	3/4"	Zo-e-shield 6	WEA-N-329-00051-00002	0.33	0.18	0.40	55				Y	1.87	0.6	0.07	9
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-329-00059-00002	0.30	0.17	0.40	58	Y	Y	Y	Y	1.70	0.6	0.07	12
	3/4"	Zo-e SafeGuard Certified	WEA-N-329-00056-00002	0.33	0.17	0.39	55				Y	1.87	0.6	0.07	9
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-329-00064-00002	0.29	0.17	0.39	58	Y	Y	Y	Y	1.65	0.6	0.07	14
	3/4"	Zo-e-shield 7	WEA-N-329-00034-00001	0.27	0.16	0.32	63	Y	Y	Y	Y	1.53	0.6	0.07	16
	3/4"	Zo-e-shield 7 w/ Argon	WEA-N-329-00038-00001	0.24	0.16	0.32	66	Y	Y	Y	Y	1.36	0.6	0.07	19
	3/4"	Insul Low-E 240	WEA-N-329-00007-00002	0.34	0.17	0.25	52				Y	1.93	0.6	0.07	7
	3/4"	Insul Low-E 240 w/Argon	WEA-N-329-00015-00002	0.31	0.16	0.25	55				Y	1.76	0.6	0.07	11
	3/4"	Insul Low-E 340	WEA-N-329-00008-00002	0.33	0.12	0.24	53				Y	1.87	0.6	0.07	6
	3/4"	Insul Low-E 340 w/Argon	WEA-N-329-00016-00002	0.30	0.12	0.24	56	Y	Y	Y	Y	1.70	0.6	0.07	10
	3/4"	Bronze Low E	WEA-N-329-00002-00012	0.33	0.25	0.34	53				Y	1.87	0.6	0.07	13
	3/4"	Bronze Low E w/Argon	WEA-N-329-00010-00012	0.30	0.25	0.34	56	Y	Y	Y	Y</td				