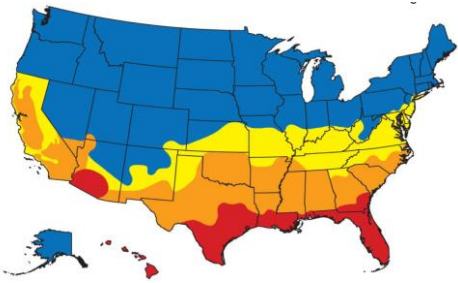
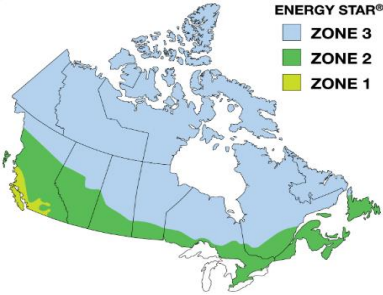


Thermal Performance Data

Weather Shield Double Hung Transom Windows (610)

WEATHER SHIELD.
WINDOWS & DOORS

US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>As of January 2016</p>	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
	North-Central	=0.30	>=0.42	
		<=0.30	<=0.40	
	South-Central	<=0.30	<=0.25	
Southern	<=0.40	<=0.25		

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
 <p>ENERGY STAR® ZONE 3 ZONE 2 ZONE 1</p> <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

Weather Shield Double Hung Transom Windows (610)



US ENERGY STAR V 6.0

CANADIAN ENERGY PERFORMANCE DATA



CANADA ENERGY STAR v 4.1

Grille Option	Glazing thickness	³NFRC Total Unit Calculations ⁴Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 6.0				CANADIAN ENERGY PERFORMANCE DATA						
								N	NC	SC	S	U-Value (metric)	Maximum Air Leakage Ls/m2	Air Infiltration/Exfiltration Average	Energy Rating	1	2	3
No GIA or SDL	3/4"	Clear Insul	WEA-N-236-00276-00001	0.45	0.60	0.63	45					2.56	0.6	0.02	19			
	3/4"	Insul Low-E	WEA-N-236-00279-00001	0.31	0.32	0.55	57					1.76	0.6	0.02	20			
	3/4"	Insul Low E w/Argon	WEA-N-236-00282-00001	0.28	0.32	0.55	61	Y	Y			1.59	0.6	0.02	24	Y		
	3/4"	Passive Solar	WEA-N-236-00301-00001	0.32	0.53	0.61	57					1.82	0.6	0.02	31	Y	Y	
	3/4"	Passive Solar w/Argon	WEA-N-236-00310-00001	0.28	0.53	0.61	61	Y				1.59	0.6	0.02	36	Y	Y	Y
	3/4"	Zo-e-shield 5	WEA-N-236-00285-00001	0.31	0.22	0.50	58				Y	1.76	0.6	0.02	14			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-236-00293-00001	0.27	0.21	0.50	61	Y	Y	Y	Y	1.53	0.6	0.02	19	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-236-00286-00001	0.26	0.21	0.49	45	Y	Y	Y	Y	1.48	0.6	0.02	20	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-236-00294-00001	0.23	0.21	0.49	49	Y	Y	Y	Y	1.31	0.6	0.02	23	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-236-00287-00001	0.32	0.22	0.49	55				Y	1.82	0.6	0.02	13			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-236-00295-00001	0.28	0.21	0.49	59		Y	Y	Y	1.59	0.6	0.02	17	Y		
	3/4"	Zo-e SafeGuard Certified	WEA-N-236-00289-00001	0.32	0.22	0.49	50				Y	1.82	0.6	0.02	13			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-236-00297-00001	0.27	0.21	0.49	60	Y	Y	Y	Y	1.53	0.6	0.02	19	Y		
	3/4"	Insul Low-E 240	WEA-N-236-00304-00001	0.31	0.20	0.31	57				Y	1.76	0.6	0.02	13			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-236-00313-00001	0.28	0.20	0.31	61		Y	Y	Y	1.59	0.6	0.02	17	Y		
	Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-236-00276-00002	0.45	0.54	0.57	45					2.56	0.6	0.02	15		
3/4"		Insul Low-E	WEA-N-236-00279-00002	0.31	0.29	0.49	57					1.76	0.6	0.02	18			
3/4"		Insul Low E w/Argon	WEA-N-236-00282-00002	0.28	0.29	0.49	61		Y			1.59	0.6	0.02	22	Y		
3/4"		Passive Solar	WEA-N-236-00301-00002	0.32	0.47	0.54	57					1.82	0.6	0.02	27	Y		
3/4"		Passive Solar w/Argon	WEA-N-236-00310-00002	0.28	0.48	0.54	61	Y				1.59	0.6	0.02	33	Y	Y	
3/4"		Zo-e-shield 5	WEA-N-236-00285-00002	0.31	0.20	0.44	58				Y	1.76	0.6	0.02	13			
3/4"		Zo-e-shield 5 w/ Argon	WEA-N-236-00293-00002	0.27	0.19	0.44	61	Y	Y	Y	Y	1.53	0.6	0.02	17	Y		
3/4"		Zo-e-shield 5 Extreme	WEA-N-236-00286-00002	0.26	0.19	0.43	45	Y	Y	Y	Y	1.48	0.6	0.02	19	Y		
3/4"		Zo-e-shield 5 Extreme w/ Argon	WEA-N-236-00294-00002	0.23	0.19	0.43	49	Y	Y	Y	Y	1.31	0.6	0.02	22	Y	Y	
3/4"		Zo-e-shield 6	WEA-N-236-00288-00001	0.34	0.20	0.44	55				Y	1.93	0.6	0.02	9			
3/4"		Zo-e-shield 6 w/ Argon	WEA-N-236-00296-00001	0.29	0.19	0.44	59		Y	Y	Y	1.65	0.6	0.02	15			
3/4"		Zo-e SafeGuard Certified	WEA-N-236-00290-00001	0.34	0.20	0.43	50				Y	1.93	0.6	0.02	9			
3/4"		Zo-e SafeGuard Certified w/ Argon	WEA-N-236-00298-00001	0.29	0.19	0.43	60		Y	Y	Y	1.65	0.6	0.02	15			
3/4"		Insul Low-E 240	WEA-N-236-00304-00002	0.31	0.18	0.28	57				Y	1.76	0.6	0.02	12			
3/4"		Insul Low-E 240 w/Argon	WEA-N-236-00313-00002	0.28	0.18	0.28	61		Y	Y	Y	1.59	0.6	0.02	16			
3/4"		Insul Low-E 340	WEA-N-236-00307-00002	0.31	0.13	0.27	58				Y	1.76	0.6	0.02	9			
3/4"	Insul Low-E 340 w/Argon	WEA-N-236-00316-00002	0.27	0.13	0.27	61	Y	Y	Y	Y	1.53	0.6	0.02	14				
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-236-00276-00003	0.45	0.48	0.50	45					2.56	0.6	0.02	12			
	3/4"	Insul Low-E	WEA-N-236-00279-00003	0.31	0.26	0.44	57					1.76	0.6	0.02	16			
	3/4"	Insul Low E w/Argon	WEA-N-236-00282-00003	0.28	0.26	0.44	61		Y			1.59	0.6	0.02	20	Y		
	3/4"	Passive Solar	WEA-N-236-00301-00003	0.32	0.42	0.48	57					1.82	0.6	0.02	24			
	3/4"	Passive Solar w/Argon	WEA-N-236-00310-00003	0.28	0.42	0.48	61	Y				1.59	0.6	0.02	29	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-236-00285-00003	0.31	0.18	0.39	58				Y	1.76	0.6	0.02	12			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-236-00293-00003	0.27	0.17	0.39	61	Y	Y	Y	Y	1.53	0.6	0.02	16	Y		
	3/4"	Zo-e-shield 5 Extreme	WEA-N-236-00286-00003	0.26	0.17	0.38	45	Y	Y	Y	Y	1.48	0.6	0.02	17	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-236-00294-00003	0.23	0.17	0.38	49	Y	Y	Y	Y	1.31	0.6	0.02	21	Y	Y	
	3/4"	Zo-e-shield 6	WEA-N-236-00288-00002	0.34	0.18	0.39	55				Y	1.93	0.6	0.02	8			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-236-00296-00002	0.29	0.17	0.39	59		Y	Y	Y	1.65	0.6	0.02	14			
	3/4"	Zo-e SafeGuard Certified	WEA-N-236-00290-00002	0.34	0.18	0.38	50				Y	1.93	0.6	0.02	8			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-236-00298-00002	0.29	0.17	0.38	60		Y	Y	Y	1.65	0.6	0.02	14			
	3/4"	Insul Low-E 240	WEA-N-236-00304-00003	0.31	0.16	0.24	57				Y	1.76	0.6	0.02	11			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-236-00313-00003	0.28	0.16	0.24	61		Y	Y	Y	1.59	0.6	0.02	14			
	3/4"	Insul Low-E 340	WEA-N-236-00307-00003	0.31	0.12	0.24	58				Y	1.76	0.6	0.02	8			
3/4"	Insul Low-E 340 w/Argon	WEA-N-236-00316-00003	0.27	0.12	0.24	61	Y	Y	Y	Y	1.53	0.6	0.02	13				
3/4"	Bronze Low E	WEA-N-236-00279-00013	0.31	0.25	0.32	57				Y	1.76	0.6	0.02	16				
3/4"	Bronze Low E w/Argon	WEA-N-236-00282-00013	0.28	0.25	0.32	61		Y	Y	Y	1.59	0.6	0.02	20	Y			