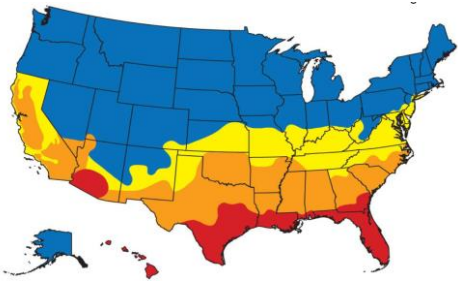
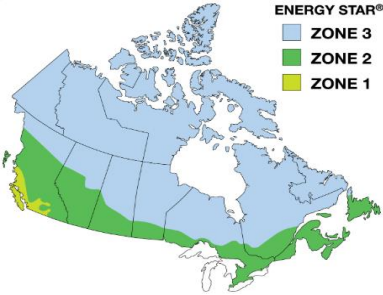


US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>As of January 2016</p>	Northern	<=0.27	Any	Prescriptive
		=0.28	>=0.32	Equivalent Energy Performance
		=0.29	>=0.37	
	North-Central	=0.30	>=0.42	
		<=0.30	<=0.40	
	South-Central	<=0.30	<=0.25	
Southern	<=0.40	<=0.25		

Canadian Qualification Criteria	Climate Zone	U-Value	or	Energy Rating
 <p>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.

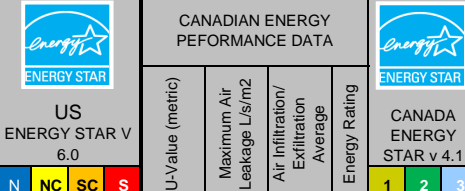
**R-Value**

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**.

<sup>a</sup> 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.

<sup>b</sup> Published values reflect 3mm/3mm glass lite thicknesses.

# ENERGY PERFORMANCE DATA Weather Shield Awning Windows (6204)



Grille Option	Glazing thickness	nFRRC Total Unit Calculations bGlazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 6.0				CANADIAN ENERGY PERFORMANCE DATA				CANADA ENERGY STAR v 4.1		
								N	NC	SC	S	U-Value (metric)	Maximum Air Leakage Ls/m <sup>2</sup>	Air Infiltration/Exfiltration Average	Energy Rating	1	2	3
No GIA or SDL	3/4"	Clear Insul	WEA-N-243-00300-00001	0.44	0.54	0.57	44					2.50	0.6	0.84	15			
	3/4"	Insul Low-E	WEA-N-243-00301-00001	0.32	0.29	0.50	54					1.82	0.6	0.84	15			
	3/4"	Insul Low E w/Argon	WEA-N-243-00309-00001	0.29	0.29	0.50	58		Y			1.65	0.6	0.84	19			
	3/4"	Passive Solar	WEA-N-243-00304-00001	0.32	0.48	0.55	54					1.82	0.6	0.84	26	Y		
	3/4"	Passive Solar w/Argon	WEA-N-243-00312-00001	0.29	0.48	0.55	58	Y				1.65	0.6	0.84	30	Y	Y	
	3/4"	Passive Solar Extreme	WEA-N-243-00305-00001	0.28	0.43	0.54	42	Y				1.59	0.6	0.84	28	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-243-00313-00001	0.26	0.44	0.54	46	Y				1.48	0.6	0.84	31	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-243-00302-00001	0.31	0.19	0.45	55				Y	1.76	0.6	0.84	11			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-243-00310-00001	0.28	0.19	0.45	59		Y	Y	Y	1.59	0.6	0.84	14			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-243-00303-00001	0.27	0.19	0.44	43	Y	Y	Y	Y	1.53	0.6	0.84	16			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-243-00311-00001	0.25	0.19	0.44	47	Y	Y	Y	Y	1.42	0.6	0.84	18	Y		
	3/4"	Zo-e-shield 6	WEA-N-243-00342-00001	0.31	0.19	0.44	55				Y	1.76	0.6	0.84	11			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-243-00350-00001	0.28	0.19	0.44	58		Y	Y	Y	1.59	0.6	0.84	14			
	3/4"	Zo-e SafeGuard Certified	WEA-N-243-00347-00001	0.30	0.19	0.44	55		Y	Y	Y	1.70	0.6	0.84	12			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-243-00355-00001	0.27	0.19	0.44	59	Y	Y	Y	Y	1.53	0.6	0.84	16			
	7/8"	Zo-e-shield 7	WEA-N-243-00316-00001	0.27	0.18	0.36	63	Y	Y	Y	Y	1.53	0.6	0.84	15			
	7/8"	Zo-e-shield 7 w/ Argon	WEA-N-243-00320-00001	0.24	0.18	0.36	67	Y	Y	Y	Y	1.36	0.6	0.84	19	Y		
	3/4"	Insul Low-E 240	WEA-N-243-00306-00001	0.32	0.18	0.28	54				Y	1.82	0.6	0.84	9			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-243-00314-00001	0.29	0.18	0.28	58		Y	Y	Y	1.65	0.6	0.84	13			
	3/4"	Insul Low-E 340	WEA-N-243-00307-00001	0.31	0.13	0.27	55				Y	1.76	0.6	0.84	7			
3/4"	Insul Low-E 340 w/Argon	WEA-N-243-00315-00001	0.28	0.13	0.27	58		Y	Y	Y	1.59	0.6	0.84	11				
3/4"	Bronze Low E	WEA-N-243-00301-00011	0.32	0.28	0.37	54					1.82	0.6	0.84	15				
3/4"	Bronze Low E w/Argon	WEA-N-243-00309-00011	0.29	0.28	0.37	58		Y			1.65	0.6	0.84	18				
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-243-00300-00002	0.44	0.49	0.52	44					2.50	0.6	0.84	12			
	3/4"	Insul Low-E	WEA-N-243-00301-00002	0.32	0.27	0.45	54					1.82	0.6	0.84	14			
	3/4"	Insul Low E w/Argon	WEA-N-243-00309-00002	0.29	0.26	0.45	58		Y			1.65	0.6	0.84	17			
	3/4"	Passive Solar	WEA-N-243-00304-00002	0.32	0.43	0.50	54					1.82	0.6	0.84	23			
	3/4"	Passive Solar w/Argon	WEA-N-243-00312-00002	0.29	0.44	0.50	58	Y				1.65	0.6	0.84	28	Y		
	3/4"	Passive Solar Extreme	WEA-N-243-00305-00002	0.28	0.39	0.49	42	Y	Y			1.59	0.6	0.84	26	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-243-00313-00002	0.26	0.40	0.49	46	Y	Y			1.48	0.6	0.84	29	Y	Y	
	3/4"	Zo-e-shield 5	WEA-N-243-00302-00002	0.31	0.18	0.41	55				Y	1.76	0.6	0.84	10			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-243-00310-00002	0.28	0.18	0.41	59		Y	Y	Y	1.59	0.6	0.84	14			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-243-00303-00002	0.27	0.17	0.40	43	Y	Y	Y	Y	1.53	0.6	0.84	15			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-243-00311-00002	0.25	0.17	0.40	47	Y	Y	Y	Y	1.42	0.6	0.84	17	Y		
	3/4"	Zo-e-shield 6	WEA-N-243-00342-00002	0.31	0.18	0.40	55				Y	1.76	0.6	0.84	10			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-243-00350-00002	0.28	0.17	0.40	58		Y	Y	Y	1.59	0.6	0.84	13			
	3/4"	Zo-e SafeGuard Certified	WEA-N-243-00347-00002	0.30	0.18	0.40	55		Y	Y	Y	1.70	0.6	0.84	12			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-243-00355-00002	0.27	0.17	0.40	59	Y	Y	Y	Y	1.53	0.6	0.84	15			
	7/8"	Zo-e-shield 7	WEA-N-243-00317-00001	0.28	0.16	0.32	63		Y	Y	Y	1.59	0.6	0.84	13			
	7/8"	Zo-e-shield 7 w/ Argon	WEA-N-243-00321-00001	0.24	0.16	0.32	67	Y	Y	Y	Y	1.36	0.6	0.84	18	Y		
	3/4"	Insul Low-E 240	WEA-N-243-00306-00002	0.32	0.17	0.25	54				Y	1.82	0.6	0.84	8			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-243-00314-00002	0.29	0.16	0.25	58		Y	Y	Y	1.65	0.6	0.84	11			
	3/4"	Insul Low-E 340	WEA-N-243-00307-00002	0.31	0.12	0.24	55				Y	1.76	0.6	0.84	7			
3/4"	Insul Low-E 340 w/Argon	WEA-N-243-00315-00002	0.28	0.12	0.24	58		Y	Y	Y	1.59	0.6	0.84	10				
3/4"	Bronze Low E	WEA-N-243-00301-00012	0.32	0.25	0.34	54				Y	1.82	0.6	0.84	13				
3/4"	Bronze Low E w/Argon	WEA-N-243-00309-00012	0.29	0.25	0.34	58		Y	Y	Y	1.65	0.6	0.84	17				
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-243-00300-00003	0.44	0.45	0.46	44					2.50	0.6	0.84	10			
	3/4"	Insul Low-E	WEA-N-243-00301-00003	0.32	0.24	0.41	54				Y	1.82	0.6	0.84	12			
	3/4"	Insul Low E w/Argon	WEA-N-243-00309-00003	0.29	0.24	0.41	58		Y	Y	Y	1.65	0.6	0.84	16			
	3/4"	Passive Solar	WEA-N-243-00304-00003	0.32	0.39	0.45	54					1.82	0.6	0.84	21			
	3/4"	Passive Solar w/Argon	WEA-N-243-00312-00003	0.29	0.39	0.45	58	Y	Y			1.65	0.6	0.84	25			
	3/4"	Passive Solar Extreme	WEA-N-243-00305-00003	0.28	0.36	0.44	42	Y	Y			1.59	0.6	0.84	24	Y		
	3/4"	Passive Solar Extreme w/Argon	WEA-N-243-00313-00003	0.26	0.36	0.44	46	Y	Y			1.48	0.6	0.84	27	Y		
	3/4"	Zo-e-shield 5	WEA-N-243-00302-00003	0.31	0.16	0.37	55				Y	1.76	0.6	0.84	9			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-243-00310-00003	0.28	0.16	0.37	59		Y	Y	Y	1.59	0.6	0.84	13			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-243-00303-00003	0.27	0.16	0.36	43	Y	Y	Y	Y	1.53	0.6	0.84	14			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-243-00311-00003	0.25	0.16	0.36	47	Y	Y	Y	Y	1.42	0.6	0.84	16	Y		
	3/4"	Zo-e-shield 6	WEA-N-243-00342-00003	0.31	0.16	0.36	55				Y	1.76	0.6	0.84	9			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-243-00350-00003	0.28	0.16	0.36	58		Y	Y	Y	1.59	0.6	0.84	13			
	3/4"	Zo-e SafeGuard Certified	WEA-N-243-00347-00003	0.30	0.16	0.36	55		Y	Y	Y	1.70	0.6	0.84	10			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-243-00355-00003	0.27	0.16	0.36	59	Y	Y	Y	Y	1.53	0.6	0.84	14			
	7/8"	Zo-e-shield 7	WEA-N-243-00317-00002	0.28	0.15	0.29	63		Y	Y	Y	1.59	0.6	0.84	12			
	7/8"	Zo-e-shield 7 w/ Argon	WEA-N-243-00321-00002	0.24	0.15	0.29	67	Y	Y	Y	Y	1.36	0.6	0.84	17	Y		
	3/4"	Insul Low-E 240	WEA-N-243-00306-00003	0.32	0.15	0.23	54				Y	1.82	0.6	0.84	7			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-243-00314-00003	0.29	0.15	0.23	58		Y	Y	Y	1.65	0.6	0.84	11			
	3/4"	Insul Low-E 340	WEA-N-243-00307-00003	0.31	0.11	0.22	55				Y	1.76	0.6	0.84	6			
3/4"	Insul Low-E 340 w/Argon	WEA-N-243-00315-00003	0.28	0.11	0.22	58		Y	Y	Y	1.59	0.6	0.84	10				
3/4"	Bronze Low E	WEA-N-243-00301-00013	0.32	0.23	0.30	54				Y	1.82	0.6	0.84	12				
3/4"	Bronze Low E w/Argon	WEA-N-243-00309-00013	0.29	0.23	0.30	58		Y	Y	Y	1.65	0.6	0.84	15				