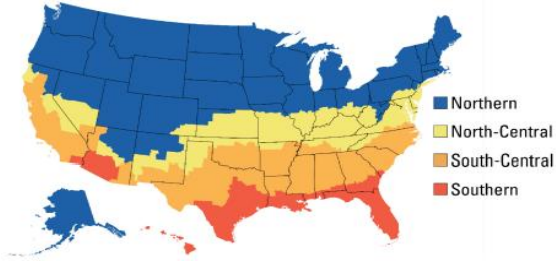



US Qualification Criteria	Climate Zone	U-Value	SHGC	
 <p>Energy Star Version 7.0 Starting October 2023</p>	Northern	<=0.22	>=0.17	Prescriptive
		=0.23	>=0.35	Equivalent Energy Performance
		=0.24	>=0.40	
		=0.25		
		=0.26		
	North-Central	<=0.25	<=0.40	
South-Central	<=0.28	<=0.23		
Southern	<=0.32	<=0.23		

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/m2		

**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.

**ENERGY PERFORMANCE DATA**

**VUE Collection Awning Windows (4201)**



CANADIAN ENERGY PERFORMANCE DATA



Grille Option	Glazing thickness	NFRC Total Unit Calculations Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 7.0				CANADIAN ENERGY PERFORMANCE DATA				
								N	NC	SC	S	U-Value (metric)	Maximum Air Leakage L/s/m <sup>2</sup>	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v 5.0
No GIA or SDL	1"	Clear Insul	WEA-N-335-00325-00001	0.50	0.51	0.56	47					2.84	1.5	0.20	7	
	1"	Insul Low-E	WEA-N-335-00327-00001	0.38	0.29	0.49	57					2.16	1.5	0.20	9	
	1"	Insul Low E w/Argon	WEA-N-335-00343-00001	0.35	0.29	0.49	61					1.99	1.5	0.20	13	
	1"	Passive Solar	WEA-N-335-00333-00001	0.38	0.46	0.54	57					2.16	1.5	0.20	19	
	1"	Passive Solar w/Argon	WEA-N-335-00349-00001	0.35	0.46	0.54	60					1.99	1.5	0.20	22	
	1"	Passive Solar Extreme	WEA-N-335-00335-00001	0.34	0.41	0.53	45					1.93	1.5	0.20	21	
	1"	Passive Solar Extreme w/Argon	WEA-N-335-00351-00001	0.32	0.42	0.53	48					1.82	1.5	0.20	24	
	1"	Zo-e-shield 5	WEA-N-335-00329-00001	0.37	0.20	0.44	57					2.10	1.5	0.20	5	
	1"	Zo-e-shield 5 w/ Argon	WEA-N-335-00345-00001	0.34	0.20	0.44	61					1.93	1.5	0.20	9	
	1"	Zo-e-shield 5 Extreme	WEA-N-335-00331-00001	0.33	0.20	0.43	46					1.87	1.5	0.20	10	
	1"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-335-00347-00001	0.31	0.19	0.43	50				Y	1.76	1.5	0.20	12	
	1"	Zo-e-shield 6	WEA-N-335-00377-00001	0.37	0.20	0.44	58					2.10	1.5	0.20	5	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-335-00393-00001	0.34	0.20	0.44	61					1.93	1.5	0.20	9	
	1"	Zo-e SafeGuard Certified	WEA-N-335-00387-00001	0.37	0.20	0.43	58					2.10	1.5	0.20	5	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-335-00403-00001	0.33	0.20	0.43	62					1.87	1.5	0.20	10	
	1"	Insul Low-E 240	WEA-N-335-00337-00001	0.38	0.18	0.26	57					2.16	1.5	0.20	3	
	1"	Insul Low-E 240 w/Argon	WEA-N-335-00353-00001	0.35	0.18	0.26	60					1.99	1.5	0.20	6	
	1"	Insul Low-E 340	WEA-N-335-00339-00001	0.37	0.14	0.26	57					2.10	1.5	0.20	2	
	1"	Insul Low-E 340 w/Argon	WEA-N-335-00355-00001	0.34	0.14	0.26	61					1.93	1.5	0.20	5	
	1"	Bronze Low E	WEA-N-335-00327-00011	0.38	0.24	0.30	57					2.16	1.5	0.20	6	
	1"	Bronze Low E w/Argon	WEA-N-335-00343-00011	0.35	0.23	0.30	61					1.99	1.5	0.20	10	
	1"	Triple Insul LE272/CL/CL	WEA-N-335-00481-00001	0.31	0.26	0.40	64					1.76	1.5	0.01	16	
	1"	Triple Insul LE272/CL/CL w/ Argon	WEA-N-335-00491-00001	0.32	0.28	0.46	65					1.82	1.5	0.01	16	
	1"	Triple Insul LE272/CL/LE272	WEA-N-335-00481-00001	0.31	0.26	0.40	64					1.76	1.5	0.01	16	
	1"	Triple Insul LE272/CL/LE272 w/ Argon	WEA-N-335-00493-00001	0.28	0.26	0.40	65					1.59	1.5	0.01	20	
	1"	Triple Insul LE272/CL/LEi89	WEA-N-335-00485-00001	0.32	0.27	0.45	50					1.82	1.5	0.01	16	
	1"	Triple Insul LE272/CL/LEi89 w/ Argon	WEA-N-335-00497-00001	0.29	0.27	0.45	54					1.65	1.5	0.01	19	
	1"	Triple Insul LE272/CL/LE180	WEA-N-335-00483-00001	0.31	0.27	0.44	64					1.76	1.5	0.01	17	
	1"	Triple Insul LE272/CL/LE180 w/ Argon	WEA-N-335-00495-00001	0.28	0.27	0.44	65					1.59	1.5	0.01	21	
	1"	Zo-e-shield 7	WEA-N-335-00277-00001	0.31	0.18	0.36	64				Y	1.76	1.5	0.20	12	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-335-00281-00001	0.28	0.18	0.36	65				Y	1.59	1.5	0.20	15	
	1-9/16"	ES Zo-e-shield 7	WEA-N-335-00452-00001	0.27	0.18	0.36	66				Y	1.53	1.5	0.01	17	
	1-9/16"	ES Zo-e-shield 7 w/ Argon	WEA-N-335-00460-00001	0.25	0.18	0.36	66				Y	1.42	1.5	0.01	19	
	1-9/16"	ES Triple Insul LE272/CL/CL	WEA-N-335-00447-00001	0.32	0.28	0.46	66					1.82	1.5	0.01	16	
	1-9/16"	ES Triple Insul LE272/CL/CL w/ Argon	WEA-N-335-00455-00001	0.30	0.28	0.46	66					1.70	1.5	0.01	19	
	1-9/16"	ES Triple Insul LE272/CL/LE272	WEA-N-335-00448-00001	0.27	0.26	0.40	66					1.53	1.5	0.01	21	
	1-9/16"	ES Triple Insul LE272/CL/LE272 w/ Argon	WEA-N-335-00456-00001	0.25	0.25	0.40	66				Y	1.42	1.5	0.01	24	
	1-9/16"	ES Triple Insul LE272/CL/LEi89	WEA-N-335-00450-00001	0.29	0.27	0.45	54					1.65	1.5	0.01	19	
	1-9/16"	ES Triple Insul LE272/CL/LEi89 w/ Argon	WEA-N-335-00458-00001	0.28	0.27	0.45	56					1.59	1.5	0.01	21	
	1-9/16"	ES Triple Insul LE272/CL/LE180	WEA-N-335-00449-00001	0.27	0.27	0.44	66					1.53	1.5	0.01	22	
	1-9/16"	ES Triple Insul LE272/CL/LE180 w/ Argon	WEA-N-335-00457-00001	0.25	0.27	0.44	66				Y	1.42	1.5	0.01	24	
	1-9/16"	ES Triple Insul LE366/CL/LEi89	WEA-N-335-00454-00001	0.29	0.18	0.41	54					1.65	1.5	0.01	14	
1-9/16"	ES Triple Insul LE366/CL/LEi89 w/ Argon	WEA-N-335-00462-00001	0.27	0.18	0.41	56				Y	1.53	1.5	0.01	17		
1-9/16"	ES Triple Insul LE366/CL/LE180	WEA-N-335-00453-00001	0.27	0.18	0.40	66				Y	1.53	1.5	0.01	17		
1-9/16"	ES Triple Insul LE366/CL/LE180 w/ Argon	WEA-N-335-00461-00001	0.25	0.18	0.40	66				Y	1.42	1.5	0.01	19		

**ENERGY PERFORMANCE DATA**

**VUE Collection Awning Windows (4201)**



CANADIAN ENERGY PERFORMANCE DATA



Grille Option	Glazing thickness	NFRC Total Unit Calculations Glazing Option	CPD #	U-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Condensation Resistance Rating	US ENERGY STAR V 7.0				CANADIAN ENERGY PERFORMANCE DATA				
								N	NC	SC	S	U-Value (metric)	Maximum Air Leakage L/s/m <sup>2</sup>	Air Infiltration/Exfiltration Average	Energy Rating	CANADA ENERGY STAR v 5.0
Less Than 1" GIA or SDL with GIA	1"	Clear Insul	WEA-N-335-00325-00002	0.50	0.47	0.51	47					2.84	1.5	0.20	4	
	1"	Insul Low-E	WEA-N-335-00327-00002	0.38	0.27	0.44	57					2.16	1.5	0.20	8	
	1"	Insul Low E w/Argon	WEA-N-335-00343-00002	0.35	0.26	0.44	61					1.99	1.5	0.20	11	
	1"	Passive Solar	WEA-N-335-00333-00002	0.38	0.42	0.49	57					2.16	1.5	0.20	16	
	1"	Passive Solar w/Argon	WEA-N-335-00349-00002	0.35	0.42	0.49	60					1.99	1.5	0.20	20	
	1"	Passive Solar Extreme	WEA-N-335-00335-00002	0.34	0.38	0.48	45					1.93	1.5	0.20	19	
	1"	Passive Solar Extreme w/Argon	WEA-N-335-00351-00002	0.32	0.38	0.48	48					1.82	1.5	0.20	22	
	1"	Zo-e-shield 5	WEA-N-335-00329-00002	0.37	0.19	0.40	57					2.10	1.5	0.20	4	
	1"	Zo-e-shield 5 w/ Argon	WEA-N-335-00345-00002	0.34	0.18	0.40	61					1.93	1.5	0.20	8	
	1"	Zo-e-shield 5 Extreme	WEA-N-335-00331-00002	0.33	0.18	0.39	46					1.87	1.5	0.20	9	
	1"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-335-00347-00002	0.31	0.18	0.39	50				Y	1.76	1.5	0.20	11	
	1"	Zo-e-shield 6	WEA-N-335-00377-00002	0.37	0.19	0.40	58					2.10	1.5	0.20	4	
	1"	Zo-e-shield 6 w/ Argon	WEA-N-335-00393-00002	0.34	0.18	0.40	61					1.93	1.5	0.20	8	
	1"	Zo-e SafeGuard Certified	WEA-N-335-00387-00002	0.37	0.18	0.39	58					2.10	1.5	0.20	4	
	1"	Zo-e SafeGuard Certified w/ Argon	WEA-N-335-00403-00002	0.33	0.18	0.39	62					1.87	1.5	0.20	9	
	1"	Insul Low-E 240	WEA-N-335-00337-00002	0.38	0.17	0.24	57					2.16	1.5	0.20	2	
	1"	Insul Low-E 240 w/Argon	WEA-N-335-00353-00002	0.35	0.16	0.24	60					1.99	1.5	0.20	5	
	1"	Insul Low-E 340	WEA-N-335-00339-00002	0.37	0.13	0.24	57					2.10	1.5	0.20	1	
	1"	Insul Low-E 340 w/Argon	WEA-N-335-00355-00002	0.34	0.13	0.24	61					1.93	1.5	0.20	5	
	1"	Bronze Low E	WEA-N-335-00327-00012	0.38	0.22	0.27	57					2.16	1.5	0.20	5	
	1"	Bronze Low E w/Argon	WEA-N-335-00343-00012	0.35	0.21	0.27	61					1.99	1.5	0.20	8	
	1"	Triple Insul LE272/CL/CL	WEA-N-335-00480-00001	0.35	0.26	0.42	64					1.99	1.5	0.01	11	
	1"	Triple Insul LE272/CL/CL w/ Argon	WEA-N-335-00492-00001	0.32	0.25	0.42	65					1.82	1.5	0.01	15	
	1"	Triple Insul LE272/CL/LE272	WEA-N-335-00482-00001	0.32	0.23	0.36	64				Y	1.82	1.5	0.01	14	
	1"	Triple Insul LE272/CL/LE272 w/ Argon	WEA-N-335-00494-00001	0.28	0.23	0.36	65				Y	1.59	1.5	0.01	19	
	1"	Triple Insul LE272/CL/LEi89	WEA-N-335-00486-00001	0.32	0.25	0.41	50					1.82	1.5	0.01	14	
	1"	Triple Insul LE272/CL/LEi89 w/ Argon	WEA-N-335-00498-00001	0.30	0.25	0.41	54					1.70	1.5	0.01	17	
	1"	Triple Insul LE272/CL/LE180	WEA-N-335-00484-00001	0.32	0.25	0.40	64					1.82	1.5	0.01	15	
	1"	Triple Insul LE272/CL/LE180 w/ Argon	WEA-N-335-00496-00001	0.28	0.25	0.40	65					1.59	1.5	0.01	19	
	1"	Zo-e-shield 7	WEA-N-335-00278-00001	0.31	0.17	0.33	64				Y	1.76	1.5	0.20	11	
	1"	Zo-e-shield 7 w/ Argon	WEA-N-335-00282-00001	0.28	0.17	0.33	65				Y	1.59	1.5	0.20	15	
	1-9/16"	ES Zo-e-shield 7	WEA-N-335-00452-00002	0.27	0.17	0.33	66				Y	1.53	1.5	0.01	16	
	1-9/16"	ES Zo-e-shield 7 w/ Argon	WEA-N-335-00460-00002	0.25	0.17	0.33	66				Y	1.42	1.5	0.01	19	
	1-9/16"	ES Triple Insul LE272/CL/CL	WEA-N-335-00447-00002	0.32	0.25	0.42	66					1.82	1.5	0.01	15	
	1-9/16"	ES Triple Insul LE272/CL/CL w/ Argon	WEA-N-335-00455-00002	0.30	0.25	0.42	66					1.70	1.5	0.01	17	
	1-9/16"	ES Triple Insul LE272/CL/LE272	WEA-N-335-00448-00002	0.27	0.23	0.36	66				Y	1.53	1.5	0.01	20	
	1-9/16"	ES Triple Insul LE272/CL/LE272 w/ Argon	WEA-N-335-00456-00002	0.25	0.23	0.36	66				Y	1.42	1.5	0.01	22	
	1-9/16"	ES Triple Insul LE272/CL/LEi89	WEA-N-335-00450-00002	0.29	0.25	0.41	54					1.65	1.5	0.01	18	
	1-9/16"	ES Triple Insul LE272/CL/LEi89 w/ Argon	WEA-N-335-00458-00002	0.28	0.25	0.41	56					1.59	1.5	0.01	20	
	1-9/16"	ES Triple Insul LE272/CL/LE180	WEA-N-335-00449-00002	0.27	0.25	0.40	66					1.53	1.5	0.01	21	
	1-9/16"	ES Triple Insul LE272/CL/LE180 w/ Argon	WEA-N-335-00457-00002	0.25	0.25	0.40	66				Y	1.42	1.5	0.01	23	
	1-9/16"	ES Triple Insul LE366/CL/LEi89	WEA-N-335-00454-00002	0.29	0.17	0.37	54				Y	1.65	1.5	0.01	14	
	1-9/16"	ES Triple Insul LE366/CL/LEi89 w/ Argon	WEA-N-335-00462-00002	0.27	0.17	0.37	56				Y	1.53	1.5	0.01	16	
	1-9/16"	ES Triple Insul LE366/CL/LE180	WEA-N-335-00453-00002	0.27	0.17	0.36	66				Y	1.53	1.5	0.01	16	
	1-9/16"	ES Triple Insul LE366/CL/LE180 w/ Argon	WEA-N-335-00461-00002	0.25	0.17	0.36	66				Y	1.42	1.5	0.01	18	