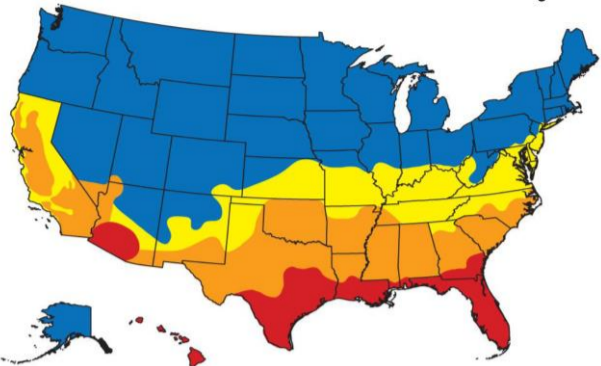


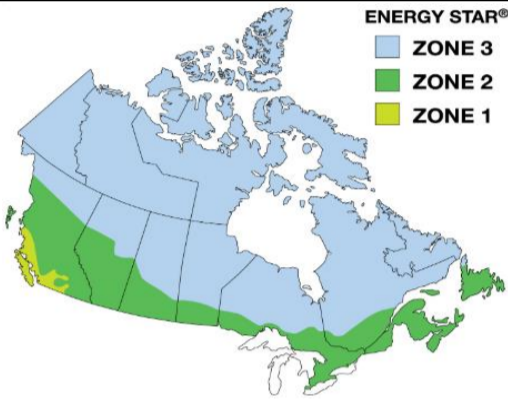
Thermal Performance Data

Signature Direct-Set Door Transom with Panel (830)

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	
		$= 0.30$	≥ 0.42	
	North-Central	≤ 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/ft 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/3mm glass lite thicknesses.

ENERGY PERFORMANCE DATA								ENERGY STAR		CANADIAN ENERGY PERFORMANCE DATA				ENERGY STAR					
Signature Direct-Set Door Transom with Panel (830)								US ENERGY STAR V 6.0						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	N	NC	SC	S	U-Value (metric)	Maximum Air Leakage L/s/m2	Air Infiltration/Exfiltration Average	Energy Rating	1	2	3	
No GIA or SDL	3/4"	Clear Insul	WEA-N-288-00232-00001	0.45	0.53	0.56	44					2.56	0.6	0.01	15				
	3/4"	Insul Low-E	WEA-N-288-00235-00001	0.33	0.29	0.49	57					1.87	0.6	0.01	16				
	3/4"	Insul Low E w/Argon	WEA-N-288-00304-00001	0.30	0.29	0.49	60		Y			1.70	0.6	0.01	20				
	3/4"	Passive Solar	WEA-N-288-00241-00001	0.34	0.47	0.54	56					1.93	0.6	0.01	25				
	3/4"	Passive Solar w/Argon	WEA-N-288-00310-00001	0.31	0.47	0.54	60					1.76	0.6	0.01	29	Y			
	3/4"	Passive Solar Extreme	WEA-N-288-00244-00001	0.29	0.43	0.53	43	Y				1.65	0.6	0.01	29	Y			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-288-00313-00001	0.27	0.43	0.53	46	Y				1.53	0.6	0.01	31	Y	Y		
	3/4"	Zo-e-shield 5	WEA-N-288-00238-00001	0.33	0.19	0.44	57				Y		1.87	0.6	0.01	10			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-288-00307-00001	0.29	0.19	0.44	61		Y	Y	Y		1.65	0.6	0.01	15			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-288-00253-00001	0.28	0.19	0.43	44		Y	Y	Y		1.59	0.6	0.01	16	Y		
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-288-00322-00001	0.26	0.19	0.43	48	Y	Y	Y	Y		1.48	0.6	0.01	19	Y		
	3/4"	Zo-e-shield 6	WEA-N-288-00271-00001	0.34	0.20	0.43	54				Y		1.93	0.6	0.01	9			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-288-00334-00001	0.30	0.19	0.43	58		Y	Y	Y		1.70	0.6	0.01	14			
	3/4"	Zo-e SafeGuard Certified	WEA-N-288-00289-00001	0.34	0.19	0.43	55				Y		1.93	0.6	0.01	9			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-288-00352-00001	0.30	0.19	0.43	59		Y	Y	Y		1.70	0.6	0.01	14			
	1"	Zo-e-shield 7	WEA-N-288-00301-00001	0.27	0.17	0.34	64	Y	Y	Y	Y		1.53	0.6	0.01	16	Y		
	1"	Zo-e-shield 7 w/ Argon	WEA-N-288-00364-00001	0.24	0.17	0.34	64	Y	Y	Y	Y		1.36	0.6	0.01	20	Y	Y	
	3/4"	Insul Low-E 240	WEA-N-288-00247-00001	0.33	0.18	0.27	56				Y		1.87	0.6	0.01	9			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-288-00316-00001	0.30	0.18	0.27	60		Y	Y	Y		1.70	0.6	0.01	13			
	3/4"	Insul Low-E 340	WEA-N-288-00250-00001	0.33	0.13	0.26	57				Y		1.87	0.6	0.01	7			
3/4"	Insul Low-E 340 w/Argon	WEA-N-288-00319-00001	0.30	0.13	0.26	60		Y	Y	Y		1.70	0.6	0.01	10				
3/4"	Bronze Low E	WEA-N-288-00235-00011	0.33	0.27	0.36	57						1.87	0.6	0.01	15				
3/4"	Bronze Low E w/Argon	WEA-N-288-00304-00011	0.30	0.27	0.36	60		Y				1.70	0.6	0.01	18				
Less Than 1" GIA or SDL	3/4"	Clear Insul	WEA-N-288-00232-00002	0.45	0.48	0.49	44					2.56	0.6	0.01	12				
	3/4"	Insul Low-E	WEA-N-288-00235-00002	0.33	0.26	0.43	57					1.87	0.6	0.01	14				
	3/4"	Insul Low E w/Argon	WEA-N-288-00304-00002	0.30	0.26	0.43	60		Y			1.70	0.6	0.01	18				
	3/4"	Passive Solar	WEA-N-288-00241-00002	0.34	0.42	0.48	56					1.93	0.6	0.01	22				
	3/4"	Passive Solar w/Argon	WEA-N-288-00310-00002	0.31	0.42	0.48	60					1.76	0.6	0.01	26	Y			
	3/4"	Passive Solar Extreme	WEA-N-288-00244-00002	0.29	0.38	0.46	43	Y	Y			1.65	0.6	0.01	26	Y			
	3/4"	Passive Solar Extreme w/Argon	WEA-N-288-00313-00002	0.27	0.38	0.46	46	Y	Y			1.53	0.6	0.01	28	Y			
	3/4"	Zo-e-shield 5	WEA-N-288-00238-00002	0.33	0.18	0.39	57				Y		1.87	0.6	0.01	9			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-288-00307-00002	0.29	0.17	0.39	61		Y	Y	Y		1.65	0.6	0.01	14			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-288-00253-00002	0.28	0.17	0.38	44		Y	Y	Y		1.59	0.6	0.01	15			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-288-00322-00002	0.26	0.17	0.38	48	Y	Y	Y	Y		1.48	0.6	0.01	17	Y		
	3/4"	Zo-e-shield 6	WEA-N-288-00270-00001	0.36	0.18	0.38	54				Y		2.04	0.6	0.01	6			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-288-00333-00001	0.32	0.17	0.38	58				Y		1.82	0.6	0.01	10			
	3/4"	Zo-e SafeGuard Certified	WEA-N-288-00288-00001	0.36	0.18	0.38	55				Y		2.04	0.6	0.01	6			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-288-00351-00001	0.33	0.17	0.38	59				Y		1.87	0.6	0.01	9			
	1"	Zo-e-shield 7	WEA-N-288-00300-00001	0.27	0.16	0.30	64	Y	Y	Y	Y		1.53	0.6	0.01	16			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-288-00363-00001	0.24	0.16	0.30	64	Y	Y	Y	Y		1.36	0.6	0.01	19	Y		
	3/4"	Insul Low-E 240	WEA-N-288-00247-00002	0.33	0.16	0.24	56				Y		1.87	0.6	0.01	8			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-288-00316-00002	0.30	0.16	0.24	60		Y	Y	Y		1.70	0.6	0.01	12			
	3/4"	Insul Low-E 340	WEA-N-288-00250-00002	0.33	0.12	0.23	57				Y		1.87	0.6	0.01	6			
3/4"	Insul Low-E 340 w/Argon	WEA-N-288-00319-00002	0.30	0.12	0.23	60		Y	Y	Y		1.70	0.6	0.01	10				
3/4"	Bronze Low E	WEA-N-288-00235-00012	0.33	0.25	0.32	57				Y		1.87	0.6	0.01	13				
3/4"	Bronze Low E w/Argon	WEA-N-288-00304-00012	0.30	0.24	0.32	60		Y	Y	Y		1.70	0.6	0.01	17				
1" Or Over GIA or SDL	3/4"	Clear Insul	WEA-N-288-00232-00003	0.45	0.42	0.43	44					2.56	0.6	0.01	8				
	3/4"	Insul Low-E	WEA-N-288-00235-00003	0.33	0.23	0.38	57				Y		1.87	0.6	0.01	12			
	3/4"	Insul Low E w/Argon	WEA-N-288-00304-00003	0.30	0.23	0.38	60		Y	Y	Y		1.70	0.6	0.01	16			
	3/4"	Passive Solar	WEA-N-288-00241-00003	0.34	0.37	0.42	56					1.93	0.6	0.01	19				
	3/4"	Passive Solar w/Argon	WEA-N-288-00310-00003	0.31	0.37	0.42	60					1.76	0.6	0.01	23				
	3/4"	Passive Solar Extreme	WEA-N-288-00244-00003	0.29	0.34	0.41	43		Y			1.65	0.6	0.01	23				
	3/4"	Passive Solar Extreme w/Argon	WEA-N-288-00313-00003	0.27	0.34	0.41	46	Y	Y			1.53	0.6	0.01	26	Y			
	3/4"	Zo-e-shield 5	WEA-N-288-00238-00003	0.33	0.16	0.34	57				Y		1.87	0.6	0.01	8			
	3/4"	Zo-e-shield 5 w/ Argon	WEA-N-288-00307-00003	0.29	0.15	0.34	61		Y	Y	Y		1.65	0.6	0.01	13			
	3/4"	Zo-e-shield 5 Extreme	WEA-N-288-00253-00003	0.28	0.15	0.33	44		Y	Y	Y		1.59	0.6	0.01	14			
	3/4"	Zo-e-shield 5 Extreme w/ Argon	WEA-N-288-00322-00003	0.26	0.15	0.33	48	Y	Y	Y	Y		1.48	0.6	0.01	16	Y		
	3/4"	Zo-e-shield 6	WEA-N-288-00270-00002	0.36	0.16	0.34	54				Y		2.04	0.6	0.01	5			
	3/4"	Zo-e-shield 6 w/ Argon	WEA-N-288-00333-00002	0.32	0.16	0.34	58				Y		1.82	0.6	0.01	9			
	3/4"	Zo-e SafeGuard Certified	WEA-N-288-00288-00002	0.36	0.16	0.33	55				Y		2.04	0.6	0.01	5			
	3/4"	Zo-e SafeGuard Certified w/ Argon	WEA-N-288-00351-00002	0.33	0.15	0.33	59				Y		1.87	0.6	0.01	8			
	1"	Zo-e-shield 7	WEA-N-288-00300-00002	0.27	0.14	0.26	64	Y	Y	Y	Y		1.53	0.6	0.01	15			
	1"	Zo-e-shield 7 w/ Argon	WEA-N-288-00363-00002	0.24	0.14	0.26	64	Y	Y	Y	Y		1.36	0.6	0.01	18	Y		
	3/4"	Insul Low-E 240	WEA-N-288-00247-00003	0.33	0.15	0.21	56				Y		1.87	0.6	0.01	8			
	3/4"	Insul Low-E 240 w/Argon	WEA-N-288-00316-00003	0.30	0.14	0.21	60		Y	Y	Y		1.70	0.6	0.01	11			
	3/4"	Insul Low-E 340	WEA-N-288-00250-00003	0.33	0.11	0.20	57				Y		1.87	0.6	0.01	5			
3/4"	Insul Low-E 340 w/Argon	WEA-N-288-00319-00003	0.30	0.10	0.20	60		Y	Y	Y		1.70	0.6	0.01	9				
3/4"	Bronze Low E	WEA-N-288-00235-00013	0.33	0.22	0.28	57				Y		1.87	0.6	0.01	12				
3/4"	Bronze Low E w/Argon	WEA-N-288-00304-00013	0.30	0.22	0.28	60		Y	Y	Y		1.70	0.6	0.01	15				