AERIS™ COLLECTION

RP - Replacement Window
NC - New Construction Window
AIR - Air Leakage
WATER - Water Penetration Resistance
STRUCTURE - Uniform Load Structural Test
DP - Design Pressure
R = Residential, **LC** = Light Commercial, **CW** = Commercial
SHGC - Solar Heat Gain Coefficient
VT - Visible Transmittance
CR - Condensation Resistance

For more information, see reverse side.

STRUCTURAL TESTS SUMMARY

			AIR LEAKAGE RATE	WATER	STRUCTURE	
Model Number	Reinforced	Size	Maximum Allowed .30 cfm / sq ft	Pounds per Square Foot	Pounds per Square Foot	DP
VT701	Reinforced	44" x 63"	0.13	45	45	R45
VT702	Reinforced	72" x 48"	0.16	45	30	R30
VT703	Reinforced	108" x 60"	0.10	45	20	R20
VT709		72" x 72"	0.01	80	40	R40
VT724	Reinforced	36" x 60"	0.01	80	35	R35
VT728		48" x 75"	<.01	80	50	R50
VT731	Reinforced	48" x 32"	0.06	50	40	R40
VT801	Reinforced	44" x 63"	0.13	45	45	R45
VT802	Reinforced	72" x 48"	0.14	45	35	R35
VT803	Reinforced	96" x 48"	0.09	45	30	R30
VT809		60" x 60"	0.03	80	40	R40
CX901 NC	Reinforced	44" x 63"	0.20	50	50	R50
CX901 RP	Reinforced	48" x 63"	0.20	50	50	R50
CX902 NC		72" x 72"	0.17	30	25	LC25
CX908 NC		72" x 72"	<.01	70	40	CW40
CX909, CX900 Shapes NC	no info	no info	no info	no info	no info	no info
CX909 RP		120" x 72"	<.01	70	50	LC50
CX924 NC		36" x 72"	<.01	55	40	LC40
CX924 RP		36" x 72"	<.01	55	40	LC40
CX928 NC		36" x 72"	0.26	30	15	R15
CX931 NC		60" x 36"	0.06	50	30	LC30
CX931 RP		60" x 36"	<.01	50	30	CW30
VT8500		71" x 82"	0.13	55	55	R55
CX9500	Reinforced	96" x 96"	0.13	30	30	LC30

WINDOW THERMAL PERFORMANCE DATA

	CLEAR				HIGH PERFORMANCE LOW-E GLASS															
	DC				DLA							TLA					TLK				
MODEL NUMBER	U-Factor	SHGC	VT	CR	U-Factor	SHGC	VT	CR	Energy Star	Tax Credit	ENERGY STAR Nationwide	U-Factor	SHGC	VT	CR	ENERGY STAR	U-Factor	SHGC	VT	CR	ENERGY STAR
VT701	0.47	0.58	0.62	45	0.3	0.29	0.55	57	N, NC,SC	yes	no	0.23	0.26	0.45	66	ALL	0.19	0.26	0.45	66	ALL
VT702/VT703VT704	0.47	0.58	0.62	45	0.3	0.3	0.55	60	N, NC,SC	yes	no	0.23	0.26	0.45	66	ALL	0.19	0.26	0.45	67	ALL
VT709	0.45	0.59	0.63	46	0.28	0.3	0.56	62	N, NC,SC	yes	no	0.21	0.26	0.46	71	ALL	0.17	0.26	0.46	73	ALL
VT700 Standard Shapes	0.45	0.62	0.66	45	0.28	0.31	0.59	60	N, NC	no	no	0.23	0.27	0.47	65	ALL	0.18	0.27	0.47	70	ALL
VT700 Shapes w/Woodgrain or Nail Fin	0.46	0.65	0.67	45	0.28	0.32	0.6	60	N, NC	no	no										
VT801	0.46	0.55	0.59	45	0.3	0.28	0.53	57	N, NC,SC	yes	no	0.24	0.25	0.43	65	ALL	0.2	0.25	0.43	65	ALL
VT802/VT803/VT804	0.46	0.56	0.6	46	0.3	0.28	0.53	61	N, NC,SC	yes	no	0.24	0.25	0.43	65	ALL	0.2	0.25	0.43	66	ALL
VT809	0.45	0.59	0.63	46	0.28	0.3	0.56	62	N, NC,SC	yes	no	0.21	0.26	0.46	71	ALL	0.17	0.26	0.46	73	ALL
VT824	0.42	0.54	0.56	45	0.28	0.27	0.5	60	ALL	yes	yes	0.23	0.24	0.4	67	ALL	0.19	0.24	0.4	72	ALL
VT828	0.46	0.63	0.65	45	0.29	0.31	0.58	60	N, NC	no	no	0.25	0.27	0.47	64	ALL	0.2	0.27	0.47	68	ALL
VT831	0.43	0.54	0.56	44	0.28	0.27	0.5	57	ALL	yes	yes	0.22	0.24	0.4	68	ALL	0.19	0.24	0.4	72	ALL
CX901 NC	0.44	0.57	0.59	46	0.29	0.28	0.53	58	N, NC,SC	yes	no	0.22	0.25	0.43	69	ALL	0.18	0.25	0.43	69	ALL
CX901 RP	0.44	0.53	0.55	45	0.29	0.27	0.49	57	ALL	yes	yes	0.24	0.23	0.4	65	ALL	0.2	0.23	0.4	66	ALL
CX902 NC	0.45	0.57	0.6	45	0.29	0.29	0.53	61	N, NC,SC	yes	no	0.22	0.25	0.43	68	ALL	0.18	0.25	0.43	70	ALL
CX908 NC	0.44	0.58	0.61	47	0.28	0.29	0.54	64	N, NC,SC	yes	no	0.21	0.25	0.44	68	ALL	0.17	0.25	0.44	68	ALL
CX909,CX900 Shapes NC	0.46	0.7	0.74	45	0.27	0.35	0.65	61	N, NC	no	no	0.19	0.3	0.53	69	N, NC,SC	0.14	0.3	0.53	0.73	N, NC,SC
CX909 RP	0.47	0.7	0.73	46	0.27	0.35	0.65	62	N, NC	no	no	0.19	0.3	0.53	71	N, NC,SC	0.14	0.3	0.53	76	N, NC,SC
CX924 NC	0.41	0.53	0.56	44	0.26	0.27	0.49	60	ALL	yes	yes	0.2	0.23	0.4	68	ALL	0.17	0.23	0.4	72	ALL
CX924 RP	0.41	0.53	0.56	44	0.27	0.27	0.49	60	ALL	yes	yes	0.21	0.23	0.4	67	ALL	0.17	0.23	0.4	71	ALL
CX928 NC	0.44	0.63	0.67	44	0.26	0.32	0.59	60	N, NC	no	no	0.19	0.27	0.48	68	ALL	0.15	0.27	0.48	73	ALL
CX928 RP	0.41	0.53	0.56	44	0.27	0.27	0.49	60	ALL	yes	yes	0.21	0.23	0.4	67	ALL	0.17	0.23	0.4	71	ALL
CX931 NC	0.42	0.56	0.58	43	0.26	0.28	0.52	56	N, NC,SC	yes	no	0.2	0.24	0.42	69	ALL	0.16	0.24	0.42	73	ALL
CX931 RP	0.42	0.53	0.56	43	0.27	0.27	0.49	56	ALL	yes	yes	0.21	0.23	0.4	68	ALL	0.18	0.23	0.4	72	ALL
VT8500	0.45	0.55	0.59	46	0.29	0.28	0.52	62	ALL	yes	yes	0.22	0.24	0.42	65	ALL	0.19	0.24	0.42	66	ALL
CX9500	0.44	0.57	0.6	45	0.29	0.29	0.53	61	ALL	yes	yes	0.22	0.25	0.43	66	ALL	0.18	0.25	0.43	66	ALL

WINDOW THERMAL PERFORMANCE DATA

	HIGH PERFORMANCE LOW-E COATING WITH INCREASED UV PROTECTION																
	DLA-UV							TLA-UV					TLK-UV				
MODEL NUMBER	U-Factor	SHGC	VT	CR	ENERGY STAR	Tax Credit	ENERGY STAR Nationwide	U-Factor	SHGC	VT	CR	ENERGY STAR	U-Factor	SHGC	VT	CR	ENERGY STAR
VT701	0.3	0.21	0.49	57	ALL	yes	yes	0.23	0.18	0.35	66	ALL	0.19	0.18	0.35	66	ALL
VT702/VT703/VT704	0.3	0.21	0.49	60	ALL	yes	yes	0.23	0.18	0.36	66	ALL	0.19	0.18	0.36	67	ALL
VT709	0.28	0.21	0.5	63	ALL	yes	yes	0.21	0.19	0.36	71	ALL	0.17	0.19	0.36	73	ALL
VT801	0.3	0.2	0.47	58	ALL	yes	yes	0.24	0.18	0.34	65	ALL	0.2	0.17	0.34	65	ALL
VT802/VT803/VT804	0.3	0.2	0.47	62	ALL	yes	yes	0.23	0.18	0.34	65	ALL	0.19	0.17	0.34	66	ALL
VT809	0.28	0.21	0.5	63	ALL	yes	yes	0.21	0.19	0.36	71	ALL	0.17	0.19	0.36	73	ALL
VT824	0.27	0.19	0.44	61	ALL	yes	yes	0.22	0.17	0.32	69	ALL	0.18	0.17	0.32	73	ALL
VT828	0.29	0.22	0.52	61	ALL	yes	yes	0.22	0.19	0.37	68	ALL	0.18	0.19	0.37	69	ALL
VT831	0.27	0.19	0.44	58	ALL	yes	yes	0.21	0.17	0.32	69	ALL	0.18	0.17	0.32	73	ALL
CX901 NC	0.28	0.2	0.47	58	ALL	yes	yes	0.22	0.17	0.34	69	ALL	0.18	0.17	0.34	69	ALL
CX901 RP	0.29	0.19	0.44	57	ALL	yes	yes	0.23	0.16	0.31	65	ALL	0.2	0.16	0.31	66	ALL
CX902 NC	0.28	0.2	0.47	62	ALL	yes	yes	0.22	0.18	0.34	69	ALL	0.18	0.17	0.34	70	ALL
CX908 NC	0.27	0.2	0.48	65	ALL	yes	yes	0.21	0.18	0.35	68	ALL	0.17	0.18	0.35	68	ALL
CX909,CX900 Shapes NC	0.26	0.24	0.58	61	ALL	yes	yes	0.18	0.21	0.42	70	ALL	0.13	0.21	0.42	75	ALL
CX909 RP	0.26	0.24	0.58	63	ALL	yes	yes	0.19	0.21	0.42	71	ALL	0.14	0.21	0.42	76	ALL
CX924 NC	0.26	0.19	0.44	61	ALL	yes	yes	0.2	0.16	0.32	68	ALL	0.16	0.16	0.32	73	ALL
CX924 RP	0.26	0.19	0.44	60	ALL	yes	yes	0.21	0.16	0.32	67	ALL	0.17	0.16	0.32	72	ALL
CX928 NC	0.25	0.22	0.52	61	ALL	yes	yes	0.19	0.19	0.38	69	ALL	0.14	0.19	0.38	73	ALL
CX928 RP	0.26	0.19	0.44	60	ALL	yes	yes	0.21	0.16	0.32	67	ALL	0.17	0.16	0.32	72	ALL
CX931 NC	0.26	0.19	0.46	57	ALL	yes	yes	0.2	0.17	0.33	69	ALL	0.16	0.17	0.33	73	ALL
CX931 RP	0.27	0.19	0.44	57	ALL	yes	yes	0.21	0.16	0.32	68	ALL	0.17	0.16	0.32	72	ALL
VT8500	0.28	0.2	0.47	61	ALL	yes	yes	0.22	0.17	0.33	65	ALL	0.18	0.17	0.33	66	ALL
CX9500	0.28	0.2	0.47	61	ALL	yes	yes	0.22	0.18	0.34	66	ALL	0.18	0.17	0.34	66	ALL

Air Leakage (AIR) is indicated by an air leakage rating expressed as the equivalent cubic feet of air passing through a square foot of window area (cfm/sq ft). Heat loss and gain occur by infiltration through cracks in the window assembly. The lower the AIR, the less air will pass through cracks in the window assembly.

Water Penetration Resistance (WATER): tested in accordance with ASTM E547 with the specified test pressure applied per AAMA/WDMA/CSA 101/I.S.2/A440-08. The test consists of four cycles. Each cycle consists of five minutes with pressure applied and one minute with the pressure released, during which the water spray is continuously applied. The water spray shall be uniformly applied at a constant rate of 5.0 U.S. gal/ft^2 hr.

Uniform Load Structural Test (STRUCTURE): tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by AAMA/WDMA/CSA 101/I.S.2/A440-08) with the load maintained for a period of 60 seconds. After loads are removed there shall be no damage to the unit which would make it inoperable.

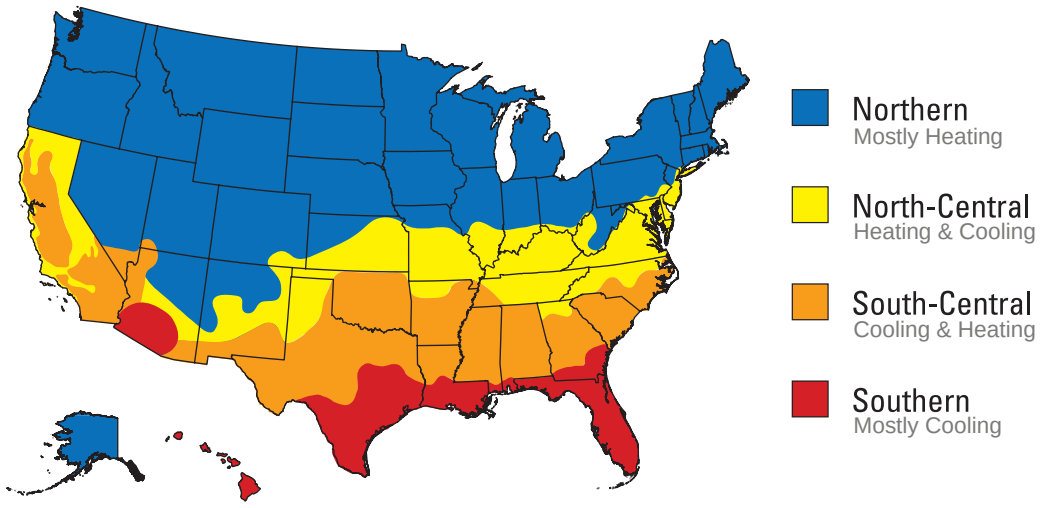
Design Pressure (DP): established by testing the window to pressures equal to 1.5 times the DP requirement.

U-Factor measures how well a product prevents heat from escaping. The rate of heat loss is indicated in terms of the U-Factor (U-Value) of a window assembly. U-Factor ratings generally fall between 0.20 and 1.20. The lower the U-Value, the greater a window's resistance to heat flow and the better its insulating value.

Solar Heat Gain Coefficient (SHGC) measures how well a product blocks heat caused by sunlight. The SHGC is the fraction of incident solar radiation admitted through a window (both directly transmitted and absorbed) and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's solar heat gain coefficient, the less solar heat it transmits in the house.

Visible Transmittance (VT) measures how much light comes through a product. The visible transmittance is an optical property that indicates the amount of visible light transmitted. VT is expressed as a number between 0 and 1. The higher the VT, the more light is transmitted.

Condensation Resistance (CR) measures the ability of a product to resist the formation of condensation on the interior surface of that product. The higher the CR rating, the better that product is at resisting condensation formation. While this rating cannot predict condensation, it can provide a credible method of comparing the potential of various products for condensation formation. CR is expressed as a number between 0 and 100.



AERIS™ COLLECTION