



Zenith Series NFRC Data




Low (L)
Lowest Solar Heat
Gain Coefficient
SolarControl

Medium (M)
Low U-Factor, High
Visible Light
Balanced

High (H)
Maximum Passive
Gain and Daylight
HighGain



Zenith Series ZR-5 Performance Data

ZR-5 FULL FRAME NFRC DATA								CENTER-OF-GLASS PERFORMANCE			
TYPE	GLASS PACKAGE	U-FACTOR	R-VALUE	SHGC	VT	CR	AIR INFILTRATION	U-FACTOR	R-VALUE	SHGC	VT
 Fixed Low Profile	5L TGT	0.19	5.3	0.22	0.53	73	<0.01 cfm/ft ²	0.18	5.6	0.25	0.60
	5M TGT	0.20	5.0	0.34	0.59	72	<0.01 cfm/ft ²	0.19	5.3	0.39	0.66
	5H TGT	0.20	5.0	0.53	0.65	71	<0.01 cfm/ft ²	0.19	5.3	0.60	0.73
 Fixed High Profile	5L TGT	0.18	5.6	0.20	0.47	72	<0.01 cfm/ft ²	0.18	5.6	0.25	0.60
	5M TGT	0.19	5.3	0.31	0.52	72	<0.01 cfm/ft ²	0.19	5.3	0.39	0.66
	5H TGT	0.19	5.3	0.48	0.58	71	<0.01 cfm/ft ²	0.19	5.3	0.60	0.73
 Casement / Awning	5L TGT	0.20	5.0	0.18	0.41	73	0.02 cfm/ft ²	0.18	5.6	0.25	0.60
	5M TGT	0.20	4.8	0.27	0.45	72	0.02 cfm/ft ²	0.19	5.3	0.39	0.66
	5H TGT	0.21	4.8	0.41	0.50	72	0.02 cfm/ft ²	0.19	5.3	0.60	0.73
 Single Hung	5L TGT	0.24	4.2	0.20	0.45	65	0.05 cfm/ft ²	0.22	4.5	0.26	0.60
	5M TGT	0.25	4.0	0.30	0.50	64	0.05 cfm/ft ²	0.22	4.5	0.39	0.67
	5H TGT	0.25	4.0	0.45	0.55	64	0.05 cfm/ft ²	0.23	4.3	0.60	0.74
 Double Hung	5L TGT	0.26	3.8	0.19	0.47	65	0.09 cfm/ft ²	0.22	4.5	0.26	0.60
	5M TGT	0.26	3.8	0.28	0.43	64	0.09 cfm/ft ²	0.22	4.5	0.39	0.67
	5H TGT	0.26	3.8	0.43	0.52	64	0.09 cfm/ft ²	0.23	4.3	0.60	0.74
 Horizontal Slider	5L TGT	0.24	4.2	0.20	0.46	63	0.09 cfm/ft ²	0.22	4.5	0.26	0.60
	5M TGT	0.25	4.0	0.30	0.51	63	0.09 cfm/ft ²	0.22	4.5	0.39	0.67
	5H TGT	0.25	4.0	0.47	0.56	63	0.09 cfm/ft ²	0.23	4.3	0.60	0.74

Zenith Series ZR-6 Performance Data

SolarControl







Lowest Solar Heat Gain Coefficient

Balanced

Low U-Factor, High Visible Light

HighGain

Maximum Passive Gain and Daylight

ZR-6 FULL FRAME NFRC DATA								CENTER-OF-GLASS PERFORMANCE			
TYPE	GLASS PACKAGE	U-FACTOR	R-VALUE	SHGC	VT	CR	AIR INFILTRATION	U-FACTOR	R-VALUE	SHGC	VT
 Fixed Low Profile	SolarControl-6 TGT	0.14	7.1	0.22	0.51	79	<0.01 cfm/ft ²	0.12	8.3	0.25	0.58
	Balanced-6 TGT	0.14	7.1	0.32	0.51	79	<0.01 cfm/ft ²	0.12	8.3	0.36	0.58
	HighGain-6 TGT	0.15	6.7	0.51	0.62	78	<0.01 cfm/ft ²	0.13	7.7	0.58	0.71
 Fixed High Profile	SolarControl-6 TGT	0.14	7.1	0.20	0.45	79	<0.01 cfm/ft ²	0.12	8.3	0.25	0.58
	Balanced-6 TGT	0.14	7.1	0.28	0.46	79	<0.01 cfm/ft ²	0.12	8.3	0.36	0.58
	HighGain-6 TGT	0.14	7.1	0.45	0.56	78	<0.01 cfm/ft ²	0.13	7.7	0.58	0.71
 Casement & Awning	SolarControl-6 TGT	0.16	6.2	0.17	0.39	80	0.02 cfm/ft ²	0.12	8.3	0.25	0.58
	Balanced-6 TGT	0.16	6.2	0.25	0.39	80	0.02 cfm/ft ²	0.12	8.3	0.36	0.58
	HighGain-6 TGT	0.16	6.2	0.39	0.48	79	0.02 cfm/ft ²	0.13	7.7	0.58	0.71
 Single Hung	SolarControl-6 TGT	0.20	5.0	0.19	0.43	68	0.05 cfm/ft ²	0.17	5.9	0.25	0.58
	Balanced-6 TGT	0.20	5.0	0.27	0.44	68	0.05 cfm/ft ²	0.17	5.9	0.36	0.58
	HighGain-6 TGT	0.21	4.8	0.43	0.53	68	0.05 cfm/ft ²	0.18	5.6	0.58	0.71
 Double Hung	SolarControl-6 TGT	0.22	4.5	0.18	0.41	68	0.09 cfm/ft ²	0.17	5.9	0.25	0.58
	Balanced-6 TGT	0.22	4.5	0.26	0.41	68	0.09 cfm/ft ²	0.17	5.9	0.36	0.58
	HighGain-6 TGT	0.23	4.3	0.41	0.50	68	0.09 cfm/ft ²	0.18	5.6	0.58	0.71
 Horizontal Slider	SolarControl-6 TGT	0.20	5.0	0.20	0.44	67	0.09 cfm/ft ²	0.17	5.9	0.25	0.58
	Balanced-6 TGT	0.20	5.0	0.28	0.45	67	0.09 cfm/ft ²	0.17	5.9	0.36	0.58
	HighGain-6 TGT	0.21	4.8	0.44	0.54	67	0.09 cfm/ft ²	0.18	5.6	0.58	0.71

Zenith Series ZR-6 Performance Data

SolarControl



Lowest Solar Heat Gain Coefficient

Balanced

Low U-Factor, High Visible Light

HighGain

Maximum Passive Gain and Daylight

ZR-6 FULL FRAME NFRC DATA								CENTER-OF-GLASS PERFORMANCE			
TYPE	GLASS PACKAGE	U-FACTOR	R-VALUE	SHGC	VT	CR	AIR INFILTRATION	U-FACTOR	R-VALUE	SHGC	VT
 Grandline Sliding Door	SolarControl-6 TGT	0.18	5.6	0.17	0.39	72	0.13 cfm/ft ²	0.12	8.3	0.25	0.58
	Balanced-6 TGT	0.18	5.6	0.25	0.49	72	0.13 cfm/ft ²	0.12	8.3	0.36	0.58
	HighGain-6 TGT	0.18	5.6	0.40	0.48	72	0.13 cfm/ft ²	0.13	7.7	0.58	0.71
 Narrowline Sliding Door	SolarControl-6 TGT	0.18	5.6	0.19	0.43	72	0.13 cfm/ft ²	0.12	8.3	0.25	0.58
	Balanced-6 TGT	0.18	5.6	0.27	0.43	72	0.13 cfm/ft ²	0.12	8.3	0.36	0.58
	HighGain-6 TGT	0.18	5.6	0.43	0.52	72	0.13 cfm/ft ²	0.13	7.7	0.58	0.71

Zenith Series ZR-9 Performance Data

SolarControl


Lowest Solar Heat Gain Coefficient

Balanced

Low U-Factor, High Visible Light

HighGain



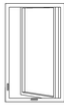


Maximum Passive Gain and Daylight

ZR-9 FULL FRAME NFRC DATA								CENTER-OF-GLASS PERFORMANCE			
TYPE	GLASS PACKAGE	U-FACTOR	R-VALUE	SHGC	VT	CR	AIR INFILTRATION	U-FACTOR	R-VALUE	SHGC	VT
 Fixed Low Profile	SolarControl-9 TGO	0.12	8.3	0.20	0.47	82	<0.01 cfm/ft ²	0.10	10.0	0.23	0.54
	Balanced-9 TGO	0.12	8.3	0.29	0.47	82	<0.01 cfm/ft ²	0.09	11.1	0.33	0.54
	HighGain-9 TGO	0.12	8.3	0.47	0.58	82	<0.01 cfm/ft ²	0.10	10.0	0.54	0.66
 Fixed High Profile	SolarControl-9 TGO	0.12	8.3	0.18	0.42	83	<0.01 cfm/ft ²	0.10	10.0	0.23	0.54
	Balanced-9 TGO	0.11	9.1	0.26	0.42	82	<0.01 cfm/ft ²	0.09	11.1	0.33	0.54
	HighGain-9 TGO	0.12	8.3	0.42	0.52	82	<0.01 cfm/ft ²	0.10	10.0	0.54	0.66
 Casement / Awning	SolarControl-9 TGO	0.14	7.1	0.16	0.36	83	0.02 cfm/ft ²	0.10	10.0	0.23	0.54
	Balanced-9 TGO	0.14	7.1	0.23	0.36	83	0.02 cfm/ft ²	0.09	11.1	0.33	0.54
	HighGain-9 TGO	0.15	6.7	0.37	0.44	82	0.02 cfm/ft ²	0.10	10.0	0.54	0.66
 Grandline Sliding Door	SolarControl-9 TGO	0.16	6.2	0.16	0.37	72	0.13 cfm/ft ²	0.10	10.0	0.23	0.54
	Balanced-9 TGO	0.16	6.2	0.23	0.37	72	0.13 cfm/ft ²	0.09	11.1	0.33	0.54
	HighGain-9 TGO	0.16	6.2	0.37	0.45	72	0.13 cfm/ft ²	0.10	10.0	0.54	0.66
 Narrowline Sliding Door	SolarControl-9 TGO	0.15	6.7	0.17	0.40	73	0.13 cfm/ft ²	0.10	10.0	0.23	0.54
	Balanced-9 TGO	0.15	6.7	0.25	0.40	73	0.13 cfm/ft ²	0.09	11.1	0.33	0.54
	HighGain-9 TGO	0.16	6.2	0.40	0.49	73	0.13 cfm/ft ²	0.10	10.0	0.54	0.66

SolarControl
 Lowest Solar Heat Gain Coefficient



Zenith Series ZR-10 Performance Data

ZR-10 FULL FRAME NFRC DATA								CENTER-OF-GLASS PERFORMANCE			
TYPE	GLASS PACKAGE	U-FACTOR	R-VALUE	SHGC	VT	CR	AIR INFILTRATION	U-FACTOR	R-VALUE	SHGC	VT
 Fixed Low Profile	SolarControl-10 TGQ	0.10	10.0	0.19	0.44	72	<0.01 cfm/ft ²	0.07	14.3	0.21	0.50
 Fixed High Profile	SolarControl-10TGQ	0.10	10.0	0.17	0.40	71	<0.01 cfm/ft ²	0.07	14.3	0.21	0.50
 Casement / Awning	SolarControl-10 TGQ	0.13	7.7	0.15	0.34	70	0.02 cfm/ft ²	0.07	14.3	0.21	0.50
 Grandline Sliding Door	SolarControl-10 TGQ	0.14	7.1	0.15	0.34	71	0.13 cfm/ft ²	0.07	14.3	0.21	0.50
 Narrowline Sliding Door	SolarControl-10 TGQ	0.14	7.1	0.16	0.37	69	0.13 cfm/ft ²	0.07	14.3	0.21	0.50