



ALPEN
CLEAR PERFORMANCE

Zenith Series NFRC Data



Zenith Series ZR-5 / 525 NFRC Data

ZR-5 / 525	Description			NFRC Full-Frame/Total Unit Performance				Air Infiltration	Center-of-Glass (COG) Performance*			
	Glass Package	USE	MAKEUP	U-factor	R-value	SHGC	VT	@ 1.57psf	U-factor	R-value	SHGC	VT
Fixed Low Profile	LowGain-5	Low U-High Visible Light	Suspended Film Triple Pane Argon Fill	0.17	5.9	0.32	0.56	<0.01 cfm/ft2	0.13	7.7	0.36	0.64
Fixed High Profile	LowGain-5	Low U-High Visible Light	Suspended Film Triple Pane Argon Fill	0.17	5.9	0.29	0.51	<0.01 cfm/ft2	0.13	7.7	0.36	0.64
Casement	LowGain-5	Low U-High Visible Light	Suspended Film Triple Pane Argon Fill	0.20	5.0	0.25	0.43	0.02 cfm/ft2	0.13	7.7	0.36	0.64
Awning	LowGain-5	Low U-High Visible Light	Suspended Film Triple Pane Argon Fill	0.20	5.0	0.25	0.43	<0.01 cfm/ft2	0.13	7.7	0.36	0.64
Single Hung	Balanced-6	Low U-High Visible Light	Suspended Film Triple Pane Krypton Fill	0.19	5.3	0.26	0.42	0.07 cfm/ft2	0.11	9.1	0.34	0.56
Double Hung	Balanced-6	Low U-High Visible Light	Suspended Film Triple Pane Krypton Fill	0.21	4.8	0.25	0.40	0.16 cfm/ft2	0.11	9.1	0.34	0.56
Horizontal Slider	Balanced-6	Low U-High Visible Light	Suspended Film Triple Pane Krypton Fill	0.19	5.3	0.27	0.43	0.09 cfm/ft2	0.11	9.1	0.34	0.56
Sliding Glass Door	LowGain-5	Low U-High Visible Light	Suspended Film Triple Pane Krypton Fill	0.20	5.0	0.28	0.49	0.07 cfm/ft2	0.12	8.3	0.36	0.64

*Center of glass performance calculated according to NFRC standards





Zenith Series ZR-6 / 625 NFRC Data

ZR-6 / 625	Description			NFRC Full-Frame / Total Unit Performance				Air Infiltration @ 1.57psf	Center-of-Glass (COG) Performance*			
	Glass Package	Use	Makeup	U-factor	R-value	SHGC	VT		U-factor	R-value	SHGC	VT
Fixed Low Profile	Balanced-6	Low U-High Visible Light	Triple Pane with Suspended Film, Argon Gas Fill	0.16	6.3	0.30	0.49	<0.01 cfm/ft ²	0.12	8.3	0.34	0.56
	SolarControl-6	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Argon Gas Fill	0.17	5.9	0.22	0.51		0.13	7.7	0.24	0.57
	HighGain-6	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Argon Gas Fill	0.18	5.6	0.48	0.62		0.14	7.1	0.54	0.70
Fixed High Profile	Balanced-6	Low U-High Visible Light	Triple Pane with Suspended Film, Argon Gas Fill	0.16	6.3	0.27	0.44	<0.01 cfm/ft ²	0.12	8.3	0.34	0.56
	SolarControl-6	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Argon Gas Fill	0.17	5.9	0.20	0.45		0.13	7.7	0.24	0.57
	HighGain-6	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Argon Gas Fill	0.17	5.9	0.43	0.56		0.14	7.1	0.54	0.70
Casement	Balanced-6	Low U-High Visible Light	Triple Pane with Suspended Film, Argon Gas Fill	0.19	5.3	0.24	0.38	0.02 cfm/ft ²	0.12	8.3	0.34	0.56
	SolarControl-6	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Argon Gas Fill	0.20	5.0	0.17	0.39		0.13	7.7	0.24	0.57
	HighGain-6	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Argon Gas Fill	0.20	5.0	0.38	0.48		0.14	7.1	0.54	0.70
Awning	Balanced-6	Low U-High Visible Light	Triple Pane with Suspended Film, Argon Gas Fill	0.19	5.3	0.24	0.38	<0.01 cfm/ft ²	0.12	8.3	0.34	0.56
	SolarControl-6	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Argon Gas Fill	0.20	5.0	0.17	0.39		0.13	7.7	0.24	0.57
	HighGain-6	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Argon Gas Fill	0.20	5.0	0.38	0.48		0.14	7.1	0.54	0.70
Single Hung	Balanced-6	Low U-High Visible Light	Triple Pane with Suspended Film, Argon Gas Fill	0.19	5.3	0.26	0.42	0.07 cfm/ft ²	0.11	9.1	0.34	0.56
	SolarControl-6	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Argon Gas Fill	0.19	5.3	0.19	0.43		0.13	7.7	0.24	0.57
	HighGain-6	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Argon Gas Fill	0.20	5.0	0.41	0.53		0.13	7.7	0.54	0.70
Double Hung	Balanced-6	Low U-High Visible Light	Triple Pane with Suspended Film, Argon Gas Fill	0.21	4.8	0.25	0.40	0.16 cfm/ft ²	0.11	9.1	0.34	0.56
	SolarControl-6	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Argon Gas Fill	0.21	4.8	0.18	0.41		0.13	7.7	0.24	0.57
	HighGain-6	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Argon Gas Fill	0.22	4.5	0.39	0.50		0.13	7.7	0.54	0.70

Zenith Series ZR-6 / 625 NFRC Data

ZR-6 / 625	Description			NFRC Full-Frame / Total Unit Performance				Air Infiltration	Center-of-Glass (COG) Performance*			
	Glass Package	Use	Makeup	U-factor	R-value	SHGC	VT	@ 1.57psf	U-factor	R-value	SHGC	VT
Horizontal Slider	Balanced-6	Low U-High Visible Light	Triple Pane with Suspended Film, Argon Gas Fill	0.19	5.3	0.27	0.43	0.09 cfm/ft ²	0.11	9.1	0.34	0.56
	SolarControl-6	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Argon Gas Fill	0.19	5.3	0.19	0.44		0.13	7.7	0.24	0.57
	HighGain-6	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Argon Gas Fill	0.20	5.0	0.42	0.54		0.13	7.7	0.54	0.70
Sliding Glass Door	Balanced-6	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.26	0.43	0.07 cfm/ft ²	0.11	9.1	0.34	0.56
	SolarControl-6	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.20	5.0	0.19	0.44		0.12	8.3	0.24	0.57
	HighGain-6	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.20	5.0	0.39	0.53		0.12	8.3	0.51	0.70

*Center of glass performance calculated according to NFRC standards





Zenith Series ZR-7 / 725 NFRC Data

ZR-7 / 725	Description			NFRC Full-Frame / Total Unit Performance				Air Infiltration @ 1.57psf	Center-of-Glass (COG) Performance*			
	Glass Package	Use	Makeup	U-factor	R-value	SHGC	VT		U-factor	R-value	SHGC	VT
Fixed Low Profile	Balanced-7	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.15	6.7	0.30	0.49	<0.01 cfm/ft ²	0.11	9.1	0.34	0.56
	SolarControl-7	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.16	6.3	0.22	0.51		0.12	8.3	0.24	0.57
	HighGain-7	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.16	6.3	0.48	0.62		0.12	8.3	0.54	0.70
Fixed High Profile	Balanced-7	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.14	7.1	0.27	0.44	<0.01 cfm/ft ²	0.11	9.1	0.32	0.57
	SolarControl-7	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.15	6.7	0.19	0.45		0.12	8.3	0.24	0.57
	HighGain-7	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.15	6.7	0.43	0.56		0.12	8.3	0.53	0.70
Casement	Balanced-7	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.18	5.6	0.24	0.38	0.02 cfm/ft ²	0.11	9.1	0.32	0.57
	SolarControl-7	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.18	5.6	0.17	0.39		0.12	8.3	0.24	0.57
	HighGain-7	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.38	0.48		0.12	8.3	0.53	0.70
Awning	Balanced-7	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.18	5.6	0.24	0.38	<0.01 cfm/ft ²	0.11	9.1	0.32	0.57
	SolarControl-7	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.18	5.6	0.17	0.39		0.12	8.3	0.24	0.57
	HighGain-7	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.38	0.48		0.12	8.3	0.53	0.70
Single Hung	Balanced-7	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.18	5.6	0.26	0.42	0.07 cfm/ft ²	0.11	9.1	0.34	0.56
	SolarControl-7	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.19	0.43		0.12	8.3	0.24	0.57
	HighGain-7	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.41	0.53		0.13	7.7	0.54	0.70
Double Hung	Balanced-7	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.20	5.0	0.25	0.40	0.16 cfm/ft ²	0.11	9.1	0.34	0.56
	SolarControl-7	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.21	4.8	0.18	0.41		0.12	8.3	0.24	0.57
	HighGain-7	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.21	4.8	0.39	0.50		0.13	7.7	0.54	0.70

Zenith Series ZR-7 / 725 NFRC Data

ZR-7 / 725	Description			NFRC Full-Frame / Total Unit Performance				Air Infiltration @ 1.57psf	Center-of-Glass (COG) Performance*			
	Glass Package	Use	Makeup	U-factor	R-value	SHGC	VT		U-factor	R-value	SHGC	VT
Horizontal Slider	Balanced-7	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.18	5.6	0.27	0.43	0.09 cfm/ft ²	0.11	8.8	0.34	0.56
	SolarControl-7	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.19	0.44		0.12	8.2	0.24	0.57
	HighGain-7	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.42	0.54		0.13	7.8	0.54	0.70
Sliding Glass Door	Balanced-7	Low U-High Visible Light	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.26	0.43	0.07 cfm/ft ²	0.11	9.1	0.34	0.56
	SolarControl-7	Lowest Solar Heat Gain Coefficient	Triple Pane with Suspended Film, Krypton Gas Fill	0.19	5.3	0.19	0.44		0.12	8.3	0.24	0.57
	HighGain-7	Maximum Passive Gain & Daylight	Triple Pane with Suspended Film, Krypton Gas Fill	0.20	5.0	0.41	0.53		0.12	8.3	0.53	0.70

*Center of glass performance calculated according to NFRC standards



Zenith Series ZR-9 / 925 NFRC Data

ZR-9 / 925	Description			NFRC Full-Frame / Total Unit Performance				Air Infiltration @ 1.57psf	Center-of-Glass (COG) Performance*			
	Glass Package	Use	Makeup	U-factor	R-value	SHGC	VT		U-factor	R-value	SHGC	VT
Fixed Low Profile	Balanced-9	Lowest U-Value / All Climate Best Insulation	Quad Pane with Suspended Film, Krypton Gas Fill	0.11	9.1	0.27	0.44	<0.01 cfm/ft ²	0.07	13.5	0.31	0.50
	SolarControl-9	Lowest Solar Heat Gain Coefficient	Quad Pane with Suspended Film, Krypton Gas Fill	0.12	8.3	0.20	0.45		0.08	12.7	0.22	0.51
	HighGain-9	Low U-value, High Gain / Passive Solar Homes	Quad Pane with Suspended Film, Krypton Gas Fill	0.12	8.3	0.41	0.55		0.08	12.3	0.46	0.63
Fixed High Profile	Balanced-9	Lowest U-Value / All Climate Best Insulation	Quad Pane with Suspended Film, Krypton Gas Fill	0.11	9.1	0.25	0.39	<0.01 cfm/ft ²	0.07	13.5	0.31	0.50
	SolarControl-9	Lowest Solar Heat Gain Coefficient	Quad Pane with Suspended Film, Krypton Gas Fill	0.12	8.3	0.18	0.40		0.08	12.7	0.22	0.51
	HighGain-9	Low U-value, High Gain / Passive Solar Homes	Quad Pane with Suspended Film, Krypton Gas Fill	0.12	8.3	0.37	0.49		0.08	12.3	0.46	0.63
Casement	Balanced-9	Lowest U-Value / All Climate Best Insulation	Quad Pane with Suspended Film, Krypton Gas Fill	0.15	6.7	0.22	0.33	0.02 cfm/ft ²	0.07	13.5	0.31	0.50
	SolarControl-9	Lowest Solar Heat Gain Coefficient	Quad Pane with Suspended Film, Krypton Gas Fill	0.15	6.7	0.16	0.35		0.08	12.7	0.22	0.51
	HighGain-9	Low U-value, High Gain / Passive Solar Homes	Quad Pane with Suspended Film, Krypton Gas Fill	0.16	6.3	0.32	0.42		0.08	12.3	0.46	0.63
Awning	Balanced-9	Lowest U-Value / All Climate Best Insulation	Quad Pane with Suspended Film, Krypton Gas Fill	0.15	6.7	0.22	0.34	<0.01 cfm/ft ²	0.07	13.5	0.31	0.50
	SolarControl-9	Lowest Solar Heat Gain Coefficient	Quad Pane with Suspended Film, Krypton Gas Fill	0.15	6.7	0.16	0.35		0.08	12.7	0.22	0.51
	HighGain-9	Low U-value, High Gain / Passive Solar Homes	Quad Pane with Suspended Film, Krypton Gas Fill	0.16	6.3	0.32	0.42		0.08	12.3	0.46	0.63
Sliding Glass Door	Balanced-9	Lowest U-Value / All Climate Best Insulation	Quad Pane with Suspended Film, Krypton Gas Fill	0.16	6.3	0.24	0.38	0.07 cfm/ft ²	0.07	13.5	0.31	0.50
	SolarControl-9	Lowest Solar Heat Gain Coefficient	Quad Pane with Suspended Film, Krypton Gas Fill	0.16	6.3	0.17	0.39		0.08	12.7	0.22	0.51
	HighGain-9	Low U-value, High Gain / Passive Solar Homes	Quad Pane with Suspended Film, Krypton Gas Fill	0.16	6.3	0.34	0.48		0.08	12.3	0.44	0.63

*Center of glass performance calculated according to NFRC standards



Zenith Series ZR-10 / 1025 NFRC Data

ZR-10 / 1025	Description			NFRC Full-Frame / Total Unit Performance				Air Infiltration @ 1.57psf	Center-of-Glass (COG) Performance*			
	Glass Package	Use	Makeup	U-factor	R-value	SHGC	VT		U-factor	R-value	SHGC	VT
Fixed High Profile	SolarControl ZR-10	Superior solar control Best-in-class U-value	Quad Pane with Suspended Film, Krypton Gas Fill	0.10	10.0	0.15	0.30	<0.01 (cfm/sqft)	0.06	16.7	0.18	0.38
Casement	SolarControl ZR-10	Superior solar control Best-in-class U-value	Quad Pane with Suspended Film, Krypton Gas Fill	0.14	7.1	0.13	0.26	0.02 (cfm/sqft)	0.06	16.7	0.18	0.38
Awning	SolarControl ZR-10	Superior solar control Best-in-class U-value	Quad Pane with Suspended Film, Krypton Gas Fill	0.14	7.1	0.13	0.26	<0.01 (cfm/sqft)	0.06	16.7	0.18	0.38
Sliding Glass Door	SolarControl ZR-10	Superior solar control Best-in-class U-value	Quad Pane with Suspended Film, Krypton Gas Fill	0.14	7.1	0.14	0.29	0.07 (cfm/sqft)	0.06	16.7	0.18	0.38

*Center of glass performance calculated according to NFRC standards

