



ALPEN

HIGH PERFORMANCE PRODUCTS

Zenith Series ZR-9



Zenith Series ZR-9 Windows and Doors

The Alpen ZR-9 Series provides some of our highest performing fiberglass windows and doors. Quadruple-pane glazing in foam-filled fiberglass frames maximizes insulating power to create comfortable, super-efficient homes in all climates, including both the hottest deserts and coldest Arctic conditions. With high quality craftsmanship and premium finishes Alpen's ZR-9 Series delivers beauty, comfort and style that satisfies even the most discerning designers.

Benefits:

- NFRC whole-window ratings up to R-9.1 (U-0.14)
- Center-of-glass R-values up to R-14.3 (U-0.07)
- AAMA certified performances for Residential, Commercial, Multifamily and Industrial use
- Maintains interior glass temperatures above 64°F on 0°F NFRC "Winter" day
- Twin-film/quad-pane, multi-low-e glazing technology provides industry-leading performance in multiple solar gain and solar control configurations
- Fiberglass frames maintain long lifespan even when exposed to extreme temperature swings
- Multiple Options with PHIUS Certified Window Performance Data for Passive House



TECHNICAL SPECIFICATIONS

Zenith Series ZR-9 Full Frame NFRC Thermal Performance:



ZR-9	Balanced				SolarControl				HighGain			
	U-factor	R-value	SHGC	VT	U-factor	R-value	SHGC	VT	U-factor	R-value	SHGC	VT
Fixed Low Profile	0.11	9.1	0.27	0.44	0.12	8.3	0.20	0.45	0.12	8.3	0.41	0.55
<i>Suspended Film</i>												
<i>Thin Glass</i>	0.12	8.3	0.30	0.48	0.12	8.3	0.20	0.47	0.12	8.3	0.47	0.58
Fixed High Profile	0.11	9.1	0.25	0.39	0.12	8.3	0.18	0.40	0.12	8.3	0.37	0.49
<i>Suspended Film</i>												
<i>Thin Glass</i>	0.12	8.3	0.27	0.43	0.12	8.3	0.18	0.42	0.12	8.3	0.42	0.52
Casement	0.15	6.7	0.22	0.33	0.15	6.7	0.16	0.35	0.16	6.3	0.32	0.42
<i>Suspended Film</i>												
<i>Thin Glass</i>	0.15	6.7	0.23	0.37	0.15	6.7	0.16	0.36	0.15	6.7	0.37	0.45
Awning	0.15	6.7	0.22	0.34	0.15	6.7	0.16	0.35	0.16	6.3	0.32	0.42
<i>Suspended Film</i>												
<i>Thin Glass</i>	0.14	7.1	0.23	0.37	0.15	6.7	0.16	0.36	0.15	6.7	0.37	0.45
Sliding Glass Door	0.16	6.3	0.24	0.38	0.16	6.3	0.17	0.39	0.16	6.3	0.35	0.48
<i>Suspended Film</i>												
<i>Thin Glass</i>	0.14	7.1	0.25	0.41	0.14	7.1	0.18	0.41	0.15	6.7	0.41	0.50

DESIGNING WITH ALPENGlass AND THINGlass:

Balanced	Optimal blend of low U-factor and moderate solar control, a well-rounded solution for high performance homes in all climates
SolarControl	Extra protection against unwanted solar gain to keep spaces cool in summer and swing seasons, ideal for West- and South-facing windows in most climates
HighGain	Maximum light and solar heat gain, ideal for passive solar homes and North-facing and well-shaded windows in spaces where more daylight is desired

WINDOW TYPES, TRIM ACCESSORIES & SIMULATED DIVIDED LIGHTS

Window Types

Fixed Low Profile (up to 68" x 72" or 48" x 96"), Fixed High Profile (up to 68" x 72" or 48" x 96"), Casement (up to 36" x 72"), Awning (up to 60" x 36"), Radius & Shapes, Custom Sizes, Sliding Patio Doors (2-, 3- and 4-panel options up to 16' x 8' overall)

Exterior Trim Accessories: Nailing Fin, Aluminum Brickmold, 3-1/4" and 2-5/8" Frame Extenders

Interior Trim Accessories: Jamb Extensions: 4-9/16", 6-9/16", Pine, Oak and Fir

Simulated Divided Lights

Zenith Series ZR-9 windows offer interior and exterior-applied Simulated Divided Light (SDL) Grids in classic styles and custom patterns.

Interior: Interior grille matches interior paint and color.

Exterior (Aluminum): Exterior grille matches exterior paint color.

Contoured Grid Profile Widths: 7/8", 1-1/4" and 2"

Grid Styles: Colonial, Prairie, Double Prairie, Ladder, Faux Interlock

PAINT AND FINISH OPTIONS

Standard Colors: Casement, Awning, Picture Windows and Sliding Patio Doors



Hardware: Operable windows and Sliding Patio Doors



† Decorative metal upgrades are real metals with "living" finish, patina may change with age

