




COLORADO CRAFTED

Alpen
WINDOWS



Provided By


Peak Window Systems

High Performance Fiberglass Windows and Doors

303-550-7674

info@peakwindowssystems.com

2525 Arapahoe Ave E-815 • Boulder, CO 80302



Combining High Performance and Design Flexibility



Alpen High Performance Products fiberglass windows allow you to reduce energy and maintenance costs, while adding value to your property. Alpen Window products are designed to provide superior energy efficiency, improve occupant comfort, traditional window appeal, and low maintenance performance. Alpen Windows™ are AAMA Gold labeled, with CW (Commercial Window) performance class in most of our window styles. Your property deserves the best!

Alpen Windows™ Certified Premium Performance

- Super-insulating fiberglass windows
- Variety of window styles and options custom-built to order
- **NFRC** and **AAMA Gold Label** Certifications
- Glazed with lightweight Alpenglass™ triple- and quad-pane suspended-coated-film insulated glazing units
- Full-frame thermal performances from U-0.11 to U-0.23
- Exceptional condensation resistance, air infiltration resistance and structural performance



OUR HERITAGE

Alpen has been a pioneer and technology leader for over thirty years in the super-high performance glass and window industry. Our roots began in 1981 as Alpen, Inc. in Boulder, Colorado. Since the beginning, the company was driven by innovation and performance, producing some of the highest quality windows in the industry.

In 2007, Alpen fiberglass windows were recognized as one of Building Green's Top Ten Building Products of the year. As working towards a carbon-neutral future remains a central operating philosophy, we strive to continually refine and enhance our window technology to meet energy needs of today and for the future.

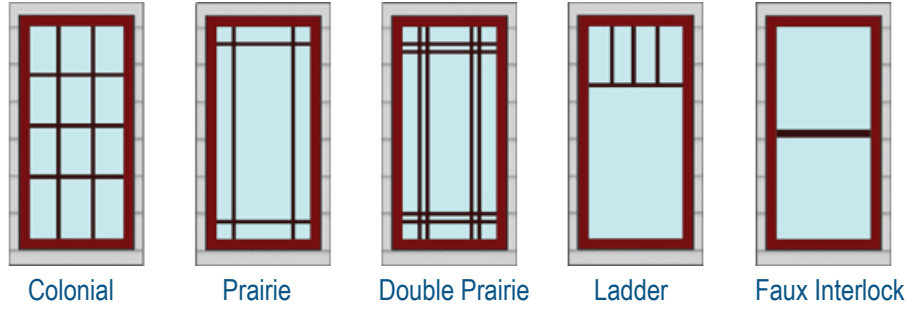
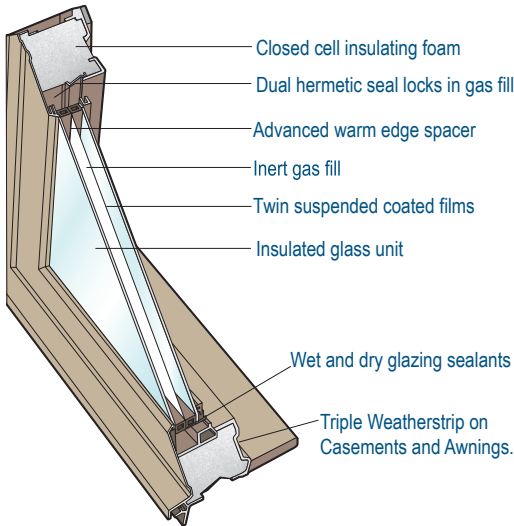
Alpen Windows™: Design Flexibility

- Wide range of U-values and solar heat gain performance options provide opportunity to "directionally tune" glass based on orientation
- Narrow fiberglass frame profiles create high glass-to-frame ratios and larger daylight openings than many other window products
- Alpenglass™ delivers warm winter interior glass surface temperatures to help meet Passive House comfort criteria design objectives
- Suspended film glazing units are lighter weight than true triple pane glass and block over 99% of harmful UV rays





Cross Section and Grill Options



A unique combination of 9 key technologies including a fully-insulated fiberglass frame, suspended film, and gas-filled cavities maximize performance.

Window Styles



Exterior rim Accessories: Nailing Fin, Aluminum Brick Mould, Aluminum Brick Mould with Nail Fin

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

Color Collections

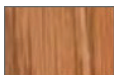
Picture Windows, Casements, Awnings and Sliding Patio Doors



Oak Fir¹

¹ Fir not available on sliding patio doors

Single Hung, Double Hung and Sliding Window



Oak

Hardware



* Decorative metal hardware available as upgrade option, additional costs may apply

X25 Series Fiberglass Window Performance: Full-Frame NFRC and Center-of-Glass Data

Effective December 1, 2013

525 Series	Description		NFRC Full-Frame Performance					Air Infiltration	Center-of-Glass (COG) Performance*			
	Glass Package	Glazing	U-value	R-Value	SHGC	VT	CRF	@ 1.57psf	U-value	R-value	SHGC	VT
Picture Window (LP)	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.17	5.9	0.29	0.50	64	<0.01 (cfm/sqft)	0.12	8.3	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.18	5.6	0.47	0.62	63		0.14	7.1	0.53	0.70
Picture Window (HP)	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.17	5.9	0.26	0.45	64	<0.01 (cfm/sqft)	0.12	8.3	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.18	5.6	0.42	0.55	63		0.14	7.1	0.53	0.70
Casement Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.23	0.39	65	<0.01 - 0.02 (cfm sqft) 36x72	0.12	8.3	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.37	0.48	61		0.14	7.1	0.53	0.70
Awning Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.23	0.39	65	<0.01 (cfm/sqft)	0.12	8.3	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.37	0.48	61		0.14	7.1	0.53	0.70
Single-Hung Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.24	0.41	57	0.07 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.22	4.5	0.39	0.51	56		0.13	7.7	0.53	0.70
Double-Hung Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.24	0.41	57	0.16 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.22	4.5	0.39	0.51	56		0.13	7.7	0.53	0.70
Horizontal Siding Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.20	5.0	0.26	0.44	57	0.09 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.42	0.54	57		0.13	7.7	0.53	0.70
Sliding Patio Door**	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.20	5.0	0.25	0.42	55	0.07 (cfm/sqft)	0.12	8.3	0.32	0.56
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.39	0.52	55		0.14	7.1	0.51	0.68

525-S Series	Description		NFRC Full-Frame Performance					Air Infiltration	Center-of-Glass (COG) Performance*			
	Glass Package	Glazing	U-value	R-Value	SHGC	VT	CRF	@ 1.57psf	U-value	R-value	SHGC	VT
Picture Window (LP)	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.16	6.3	0.30	0.49	69	<0.01 (cfm/sqft)	0.12	8.3	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.17	5.9	0.48	0.62	68		0.14	7.1	0.53	0.70
Picture Window (HP)	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.15	6.7	0.27	0.44	69	<0.01 (cfm/sqft)	0.12	8.3	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.16	6.3	0.43	0.56	68		0.14	7.1	0.53	0.70
Casement Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.24	0.38	70	<0.01 - 0.02 (cfm sqft) 36x72	0.12	8.3	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.20	5.0	0.38	0.48	69		0.14	7.1	0.53	0.70
Awning Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.24	0.38	70	<0.01 (cfm/sqft)	0.12	8.3	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.20	5.0	0.38	0.48	69		0.14	7.1	0.53	0.70
Single-Hung Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.18	5.6	0.25	0.41	61	0.07 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.40	0.51	60		0.13	7.7	0.53	0.70
Double-Hung Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.20	5.0	0.25	0.41	61	0.16 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.40	0.51	60		0.13	7.7	0.53	0.70
Horizontal Siding Window	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.27	0.43	61	0.09 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.20	5.0	0.42	0.55	60		0.13	7.7	0.53	0.70
Sliding Patio Door**	Alpenglass 5L	Low Solar Gain: Single Film/Dual-Cavity	0.18	5.6	0.26	0.42	63	0.07 (cfm/sqft)	0.12	8.3	0.32	0.56
	Alpenglass 5H	High Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.41	0.53	62		0.14	7.1	0.51	0.68

725 Series	Description		NFRC Full-Frame Performance					Air Infiltration	Center-of-Glass (COG) Performance*			
	Glass Package	Glazing	U-value	R-Value	SHGC	VT	CRF	@ 1.57psf	U-value	R-value	SHGC	VT
Picture Window (LP)	Alpenglass 7L	Low Solar Gain: Single Film/Dual-Cavity	0.15	6.7	0.30	0.49	67	<0.01 (cfm/sqft)	0.11	9.1	0.32	0.66
	Alpenglass 7H	High Solar Gain: Single Film/Dual-Cavity	0.16	6.3	0.48	0.62	67		0.12	8.3	0.53	0.70
Picture Window (HP)	Alpenglass 7L	Low Solar Gain: Single Film/Dual-Cavity	0.14	7.1	0.27	0.44	67	<0.01 (cfm/sqft)	0.11	9.1	0.32	0.66
	Alpenglass 7H	High Solar Gain: Single Film/Dual-Cavity	0.15	6.7	0.43	0.56	66		0.12	8.3	0.53	0.70
Casement Window	Alpenglass 7L	Low Solar Gain: Single Film/Dual-Cavity	0.18	5.6	0.24	0.38	68	<0.01 - 0.02 (cfm sqft) 36x72	0.11	9.1	0.32	0.66
	Alpenglass 7H	High Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.38	0.48	67		0.12	8.3	0.53	0.70
Awning Window	Alpenglass 7L	Low Solar Gain: Single Film/Dual-Cavity	0.18	5.6	0.24	0.38	68	<0.01 (cfm/sqft)	0.11	9.1	0.32	0.66
	Alpenglass 7H	High Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.38	0.48	67		0.12	8.3	0.53	0.70
Single-Hung Window	Alpenglass 7L	Low Solar Gain: Single Film/Dual-Cavity	0.18	5.6	0.25	0.41	61	0.07 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 7H	High Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.40	0.51	60		0.13	7.7	0.53	0.70
Double-Hung Window	Alpenglass 7L	Low Solar Gain: Single Film/Dual-Cavity	0.20	5.0	0.25	0.41	61	0.16 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 7H	High Solar Gain: Single Film/Dual-Cavity	0.21	4.8	0.40	0.51	60		0.13	7.7	0.53	0.70
Horizontal Siding Window	Alpenglass 7L	Low Solar Gain: Single Film/Dual-Cavity	0.19	5.3	0.27	0.43	61	0.09 (cfm/sqft)	0.11	9.1	0.32	0.57
	Alpenglass 7H	High Solar Gain: Single Film/Dual-Cavity	0.20	5.0	0.42	0.55	60		0.13	7.7	0.53	0.70
Sliding Patio Door**	Alpenglass 7L	Low Solar Gain: Single Film/Dual-Cavity	0.17	5.9	0.26	0.42	60	0.07 (cfm/sqft)	0.11	9.1	0.32	0.66
	Alpenglass 7H	High Solar Gain: Single Film/Dual-Cavity	0.18	5.6	0.41	0.53	59		0.12	8.3	0.53	0.70

925 Series	Description		NFRC Full-Frame Performance					Air Infiltration	Center-of-Glass (COG) Performance*			
	Glass Package	Glazing	U-value	R-Value	SHGC	VT	CRF	@ 1.57psf	U-value	R-value	SHGC	VT
Picture Window (LP)	Alpenglass 9L	Low Solar Gain: Dual Film/Triple-Cavity	0.12	8.3	0.28	0.44	73	<0.01 (cfm/sqft)	0.07	13.7	0.29	0.50
	Alpenglass 9H	High Solar Gain: Dual Film/Triple-Cavity	0.12	8.3	0.41	0.55	72		0.08	12.5	0.45	0.62
Picture Window (HP)	Alpenglass 9L	Low Solar Gain: Dual Film/Triple-Cavity	0.11	9.1	0.25	0.39	73	<0.01 (cfm/sqft)	0.07	13.7	0.29	0.50
	Alpenglass 9H	High Solar Gain: Dual Film/Triple-Cavity	0.12	8.3	0.37	0.49	72		0.08	12.5	0.45	0.62
Casement Window	Alpenglass 9L	Low Solar Gain: Dual Film/Triple-Cavity	0.15	6.7	0.22	0.34	74	<0.01 - 0.02 (cfm sqft) 36x72	0.07	13.7	0.29	0.50
	Alpenglass 9H	High Solar Gain: Dual Film/Triple-Cavity	0.16	6.3	0.32	0.43	74		0.08	12.5	0.45	0.62
Awning Window	Alpenglass 9L	Low Solar Gain: Dual Film/Triple-Cavity	0.15	6.7	0.22	0.34	75	<0.01 (cfm/sqft)	0.07	13.7	0.29	0.50
	Alpenglass 9H	High Solar Gain: Dual Film/Triple-Cavity	0.16	6.3	0.32	0.43	74		0.08	12.5	0.45	0.62
Sliding Patio Door**	Alpenglass 9L	Low Solar Gain: Dual Film/Triple-Cavity	0.14	7.1	0.24	0.37	66	0.07 (cfm/sqft)	0.07	13.7	0.29	0.50
	Alpenglass 9H	High Solar Gain: Dual Film/Triple-Cavity	0.15	6.7	0.35	0.47	66		0.08	12.5	0.45	0.62

*All center-of-glass performance data based on LBNL Window 6.3 modeling using NFRC 100-2010 environmental conditions. Glass pane thicknesses are 1/8" thick unless otherwise noted.
 **Sliding Patio Doors based on 2-panel door configuration; performance data for 525 Series is based on two 3/16" thick glass lites