



ALPEN

HIGH PERFORMANCE PRODUCTS

Alpen Zenith Series

ALPEN HIGH PERFORMANCE PRODUCTS



Alpen Products Excel

High Performance

As a global leader in ultra energy efficient window, door and glass solutions, all Alpen Zenith Series fiberglass windows and doors are carefully designed to meet the energy efficiency needs of our changing world.

Zenith Series windows and doors deliver excellence in efficiency, comfort, durability and style by combining fiberglass frames with multiple glass options. They provide:

- **NFRC** certified whole-window U-factors to 0.10 for performance
- **PHIUS** listed for passive house comfort and energy savings
- **ILFI** Declare labels for the health of your family and the environment
- **AAMA** certified for wind, water, air and forced-entry resistance
- **ADA**-conforming operable windows for universal design and aging in place

Comfort for Any Climate

An unmatched range of performance options provides the perfect comfort and energy savings solutions for all climates—hot, cold or anything in between. With 99.5% UV protection, industry-leading U-factors and multiple options to manage solar heat gain, Alpen's high performance products keep you cool in the summer and warm in the winter.



ALPEN ZENITH SERIES



North American Styling

Design Freedom

Large opening sizes, narrow profiles and high glass-to-frame ratios are highlights of these North American style windows.

The Zenith Series is available in a wide range of sizes, operations, shapes and colors to meet your unique design needs. This flexibility allows Alpen to carefully craft every window and door to your exact specifications.



An Ideal Material

Featuring dimensional stability, corrosion resistance and the purity of fiberglass, Alpen's long-strand pultruded frames maximize insulating power to create healthy, comfortable and super-efficient homes in any climate—from scorching deserts to the freezing Antarctic.

Fiberglass is considered the “greenest” material for window frames, offering durability, better thermal performance and lower embodied energy than vinyl, aluminum or wood framing materials.

It is also practically maintenance free, with an inherent strength and nature that is able to easily distribute impact loads even in sub-zero temperatures. Fiberglass frames will not suffer the pockmarked surface damage common to wood and aluminum windows and accept paint easily.



American Made & Serviced

Made in the United States

The North American style Zenith Series has all the benefits of being crafted in the United States. Alpen understands how windows and doors perform in varied North American climates and believes domestically made products combine lower embodied energy initiatives with support for innovation in American technology and manufacturing.

Local Support & Servicing

Alpen High Performance Products provides unmatched North American direct support as well as an extensive network of dealer and manufacturer's representatives. This allows us to answer questions quickly and provide timely resolution of customer needs.

Short Lead Times

American manufacturing means short lead times, simplifying the coordination of shipping and installation schedules while providing you with more time to fine tune your perfect window or door. The convenience of our centrally located Colorado manufacturing facilities also translates to lower shipping costs.



Design by C&H Architects, Photo by Ethan Drinker

NFRC Data and Glazing

Alpen Zenith Series



			Balanced			SolarControl			HighGain		
			U-factor	R-value	SHGC	U-factor	R-value	SHGC	U-factor	R-value	SHGC
Casement	ZR-6	Suspended Film	0.19	5.3	0.24	0.20	5.0	0.17	0.20	5.0	0.38
		ThinGlass	0.16	6.3	0.25	0.16	6.3	0.17	0.17	5.9	0.39
	ZR-9	Suspended Film	0.15	6.7	0.22	0.15	6.7	0.16	0.16	6.3	0.32
		ThinGlass	0.15	6.7	0.23	0.15	6.7	0.16	0.15	6.7	0.37
	ZR-10	Suspended Film	na	na	na	0.14	7.1	0.13	na	na	na
		ThinGlass	na	na	na	na	na	na	na	na	na
Fixed High Profile	ZR-6	Suspended Film	0.16	6.3	0.27	0.17	5.9	0.20	0.17	5.9	0.43
		ThinGlass	0.14	7.1	0.28	0.14	7.1	0.20	0.14	7.1	0.46
	ZR-9	Suspended Film	0.11	9.1	0.25	0.12	8.3	0.18	0.12	8.3	0.37
		ThinGlass	0.12	8.3	0.27	0.12	8.3	0.18	0.12	8.3	0.42
	ZR-10	Suspended Film	na	na	na	0.10	10	0.15	na	na	na
		ThinGlass	na	na	na	na	na	na	na	na	na

Whole window performance ratings calculated per the National Fenestration Rating Council (NFRC)

This chart represents a small sample of available glazing options.
To explore a full range of options to fit your project needs, please contact us.

HIGH PERFORMANCE ALPENGlass OPTIONS	
In Triple- and Quad-Glazed Configurations	
AlpenGlass Balanced	- Well-rounded, high performance solution for all climates
AlpenGlass SolarControl	- Extra protection against unwanted solar gain
AlpenGlass HighGain	- Maximum light and solar heat gain

Key Performance Technologies



Now available with ThinGlass center pane(s)!*

- U-factors as good as or better than equivalent suspended coated film options
- Increased visible light transmission (VT) and condensation resistance (CR)
- Same pricing structure as Alpen's traditional suspended coated film high performance glazing options
- **Contact us to learn more!**

*Not currently available for ZR-10 windows

Super-Insulating Windows

1

Fiberglass Frames

Long-strand pultruded fiberglass frames insulate against heat and cold, do not expand or contract and deliver strength for slim profiles and large glazing sizes.

2

Foam Insulation

Super-insulating closed-cell foam in both frame and sash cavities provides maximum thermal insulation and condensation resistance.

3

Slim-Lined Design

Profile heights of just 2 7/8" provide an elegant and modern look, maximizing opportunities for both daylighting and views.

4

High Performance Color Finish

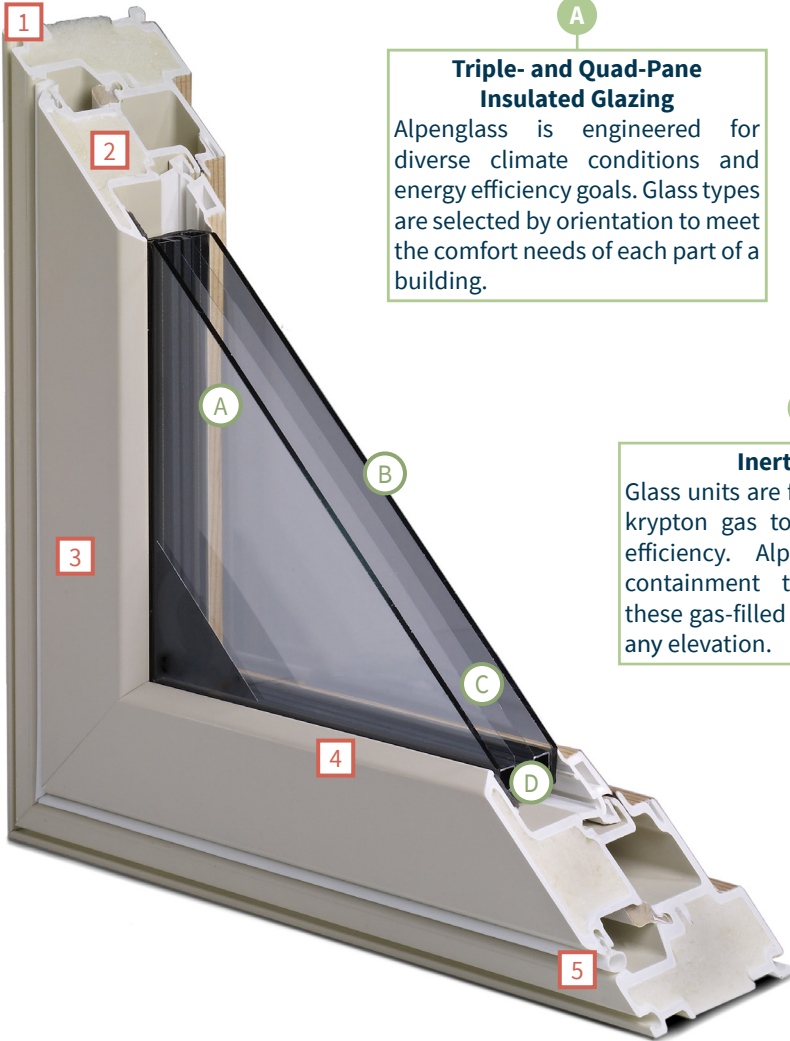
Our high performance water-based paint system is low VOC, environmentally friendly and can be customized to any color or style.

5

Triple Weatherstripping

Three layers of weather seals and a multi-point locking system combine to create compression seals that reliably block air and water infiltration.

Details Make the Difference



Triple- and Quad-Pane Insulated Glazing

Alpenglass is engineered for diverse climate conditions and energy efficiency goals. Glass types are selected by orientation to meet the comfort needs of each part of a building.

Inert Gas Fill

Glass units are filled with argon or krypton gas to increase thermal efficiency. Alpen's unique gas containment technology allows these gas-filled units to be used at any elevation.

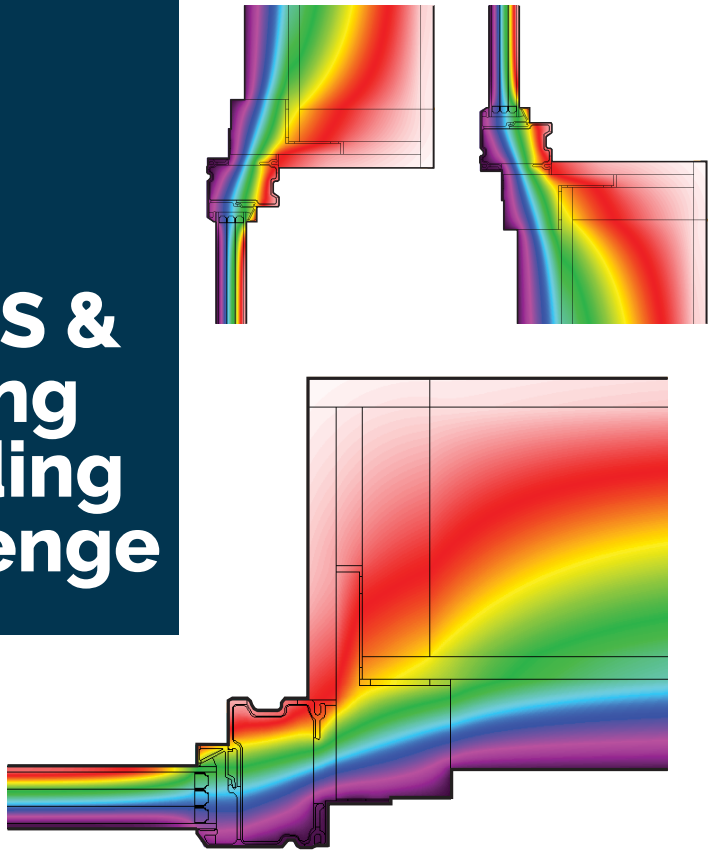
Suspended Coated Film

Internally suspended low-e coated films create lightweight, multi-cavity insulating glass units that insulate and reflect both heat and harmful UV radiation — without diminishing natural light.

High Performance Spacers

Advanced thin-walled stainless steel and foam warm-edge spacers inhibit condensation at glass perimeter, dramatically reducing or eliminating condensation risk.

PHIUS & Living Building Challenge



Cutting Edge Sustainability

In 2013, Alpen High Performance Products became the first U.S. Window manufacturer to achieve PHIUS accreditation. We understand the challenges of designing and building a Passive House certified project and appreciate the extra lengths owners go to in order to be responsible stewards of our planet.

Key to a Healthy Building

The Living Building Challenge is a call to action for everyone to think holistically about their creations. It goes beyond simply “sustainable”—past the break-even point—and aims to create a positive regenerative influence on the environment as a whole.

Alpen has manufactured Living Building Challenge Certified windows since 2015.

Accurate & Verified Data

As a manufacturer of certified building components, it is our responsibility to ensure specifiers and designers have access to accurate verified data—allowing more informed decisions and setting a new standard of excellence for all window manufacturers.



Declare.

First
(ever)
PHIUS Certified
Window

ALPEN ZENITH SERIES

Advanced Installation Accessories

All The Help You Need

Alpen's expert staff and in-house passive house consultants mean you have fewer details to worry about for a quality fit and finish. We also offer exterior trim options and installation accessories that are designed to complement high performance installation in many new construction and retrofit applications.

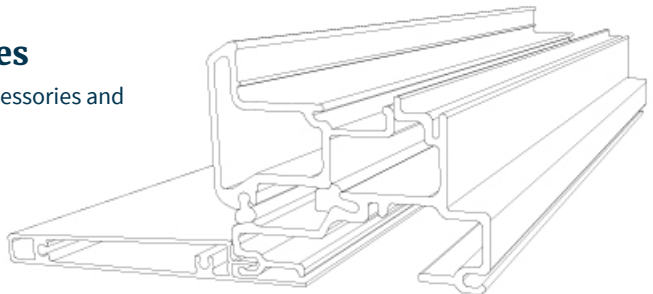
Available Accessories

Alpen's range of attachment accessories and trim options includes:

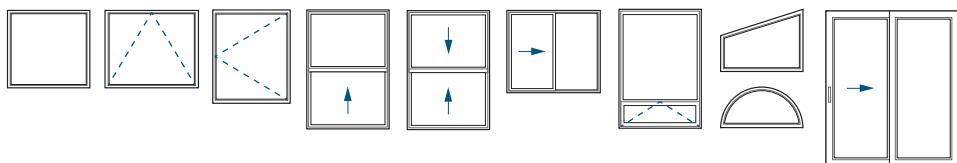
- **Nail Flanges**
- **Anchor Straps**
- **Brickmolds**
- **Frame Extenders**

Create Unique Details

Attachment accessories and factory-applied aluminum trim options make Alpen windows adaptable to diverse installation conditions, new construction and retrofit applications—delivering exceptional total window performance, durability and beauty.



Zenith Window Options



Fixed /
Picture
Window

Awning
Window

Casement
Window

Single
Hung

Double
Hung

Horizontal
Slider

Combo
Units

Custom
Shapes
& Sizes

Sliding Patio
Doors
2-, 3- & 4-panel

Paint and Finish Options

Available Colors

Depending on window type and operation, windows are available in up to 14 standard colors. Please call to inquire about our extensive range of custom colors.

Unlimited Customization

Interior and exterior sash can be identical or two different colors

Hardware Options

Depending on window type, hardware is available in up to 8 finishes.

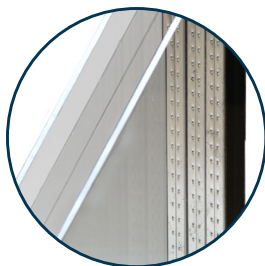


Advanced Glazing Options



Dual Chamber

Found in our Zenith Series ZR-5, ZR-6 and ZR-7 windows, these triple-lite/Argon or Krypton gas IGUs deliver outstanding thermal performance, providing U_{cog} values to 0.11 at the most affordable price points.



Triple Chamber

When your project needs to deliver the highest levels of performance and comfort, these quadruple-lite/Krypton gas IGUs are found in our Zenith Series ZR-9 and ZR-10 windows, providing U_{cog} values to 0.06.



Triple and Quad Glazing Available in ThinGlass!

In addition to suspended coated film glazing options, Alpen is using 'thin' glass, similar to the glass in a smartphone or flat-screen TV, as the center pane(s), along with krypton and argon gas, to provide some of the most thermally efficient windows available.



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Explore Alpen's other high performance products:

Tyrol Series: European Style Windows & Doors

WinSert Series: Secondary Window Inserts

AlpenGlass: Commercial Ribbon Windows

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WINDOWS THAT INSULATE LIKE WALLS