



ALPEN
CLEAR PERFORMANCE

Alpen Tyrol Series



ALPEN HIGH PERFORMANCE PRODUCTS



Alpen Products Excel

AlpenTyrol Series

High Performance

All Alpen windows and doors are carefully designed to meet the energy efficiency needs of a changing world. As the manufacturer of the only NFRC-certified full frame R10 window in North America, Alpen High Performance Products is a global leader in ultra energy efficient window, door and glass solutions.

Design Flexibility

Everything that Alpen High Performance Products makes is custom crafted at our Colorado manufacturing facilities to your exact specifications. Our wide range of color options, configurations and ability to create large-dimension windows and doors provide ideal opportunities to highlight creative designs utilizing either fiberglass or fiberglass-reinforced uPVC frames.

Comfort for Any Climate

An exceptional 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, overall U-factors down to 0.10 and multiple options to manage solar heat gain, Alpen's high performance products keep you cool in the summer and warm in the winter.



European Styling & Hardware

AlpenTyrol Series

European Style & Sightlines

The Tyrol Series combines European styling and hardware options with the incredible strength and performance of RAU-FIPRO™, a proprietary fiberglass reinforced uPVC composite. These best-in-class windows and doors are beautifully designed, exceptionally crafted, and provide outstanding acoustic insulation for your home or business.

European Hardware

Tyrol windows and doors are complemented by German-engineered and -manufactured hardware from industry leader, Roto®. The sculpted Roto Line handle combines with elegantly recessed Roto Designo 2 hinges and multi-point locking system to assure decades of security, dependability and satisfaction.

Best of Both Continents

Alpen High Performance Products combines the best of European styling and design with outstanding “American Made” craftsmanship. The Tyrol Series also boasts a full complement of North American building industry required testing, including NFRC and Passive House Component certifications.



A woman with long brown hair, wearing a light beige cardigan and a brown skirt, is sitting barefoot on a white windowsill. She is holding a glass of beer and looking out at a city skyline. The skyline includes several tall skyscrapers, including the Willis Tower. In the foreground, there is a highway with cars and some greenery. The scene is brightly lit, suggesting daytime.

American Made & Serviced

Alpen Tyrol Series

Made in the United States

The European-styled Tyrol 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. The convenience of our centrally located Colorado manufacturing facilities translates to lower shipping costs. Our short lead times simplify the coordination of shipping and installation schedules while providing you with more time to fine tune your perfect window or door.



NFRC Data and Glazing

Alpen Tyrol Series



Product Description	Glazing	Total U-factor	Total SHGC	Total VT	CRF	Air Infiltration (CFM/ft²)
Tilt-Turn / Hopper	Balanced-6 Triple	0.17	0.24	0.39	71	<0.01
	Balanced-6*	0.17	0.24	0.38	71	<0.01
	HighGain-6*	0.18	0.35	0.48	69	<0.01
	Balanced-9*	0.13	0.21	0.33	79	<0.01
	HighGain-9*	0.13	0.30	0.42	78	<0.01
Fixed	Balanced-6*	0.15	0.27	0.44	75	<0.01
	HighGain-6*	0.17	0.41	0.55	73	<0.01
	Balanced-9*	0.11	0.24	0.38	82	<0.01
	HighGain-9*	0.12	0.35	0.49	81	<0.01

This chart provides representative glazing options. For additional available options, please visit our website at www.ThinkAlpen.com or contact an Alpen representative.

** Utilizes suspended coated film technology*

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

High Performance Redefined

Alpen Tyrol Series



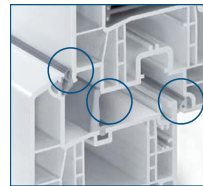
720.287.4290

info@aebuildingsystems.com

AEBuildingSystems.com



High-definition finish enhances weather resistance and is very easy to clean due to its exceptionally smooth, luminous properties.



Compression-seal technology reduces closing pressure significantly, making window operation easy and extending the service life. The three seals are strategically located to provide maximum insulation.



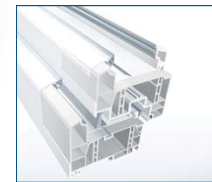
Patented Integrated reinforcement system ensures the highest degree of strength at all critical points, using screw channels and additional lateral stiffening.



Slim-lined design provides for an elegant look with profile heights of just 4.5" (115 mm). Even floor-to-ceiling windows can be made with generous glass surface.

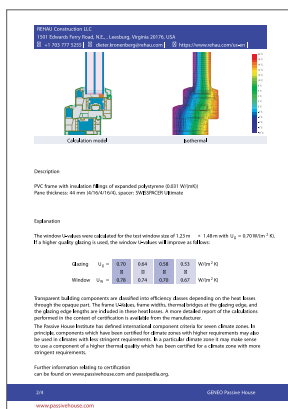


Multi-chambered frame design with multiple chamber insulation options provides unmatched thermal solutions at all levels of high performance design and affordability.



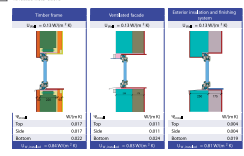
Unique profile achieves excellent stability and torsional rigidity, making it possible to build larger windows without the typical steel reinforcement that compromises thermal insulation.

Alpen Tyrol Series



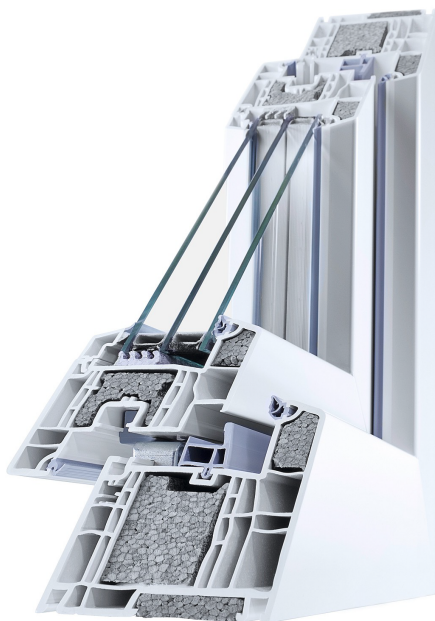
Frame width		Frame width in mm	Gravel frame in (W _{top} × L)	W _{top} edge V _g (W _{top} × L)	Temp. factor (t _{max})
Top		115	0.77	8.025	0.75
Side		115	0.77	8.025	0.75
Bottom		115	0.77	8.025	0.75
Maximum dimensions		141	0.77	8.025	0.75

Voluntary Innovation



Passive House Data

Alpen Tyrol Series



- Passive House Institute Certified Component
- $U_f = 0.77 \text{ W/m}^2\cdot\text{K}$ ($0.136 \text{ BTU/hr}\cdot^\circ\text{F}\cdot\text{ft}^2$)
- Meets stringent Passive House requirements for air infiltration resistance
- Fiberglass-reinforced profile allows for larger sizes without steel reinforcement

	Glass U-factor (U_g)		Glass SHGC
	($\text{W/m}^2\cdot\text{K}$)	($\text{BTU/hr}\cdot^\circ\text{F}\cdot\text{ft}^2$)	
Balanced-Triple Pane 6	0.64	0.112	0.56
HighGain-6 PH+	0.65	0.115	0.52
Balanced-6 PH+	0.55	0.097	0.37
HighGain-9	0.49	0.087	0.45
Balanced-9	0.44	0.077	0.33

*Center of glass performance calculated according to EN673
This chart provides representative glazing options. Please contact Alpen for additional options.*

Tyrol Window Options

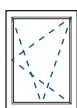
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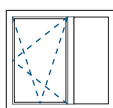
Fixed Window



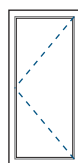
Hopper Window



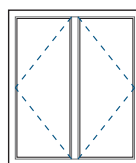
Tilt Turn/
Hopper Window



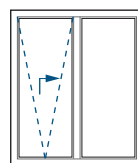
Combination Units



Side-Hinged Doors



French Doors



2-Panel
Tilt Glide Doors

Paint and Finish Options

Core Color

White

Standard Exterior Colors

White, Black, or Bronze

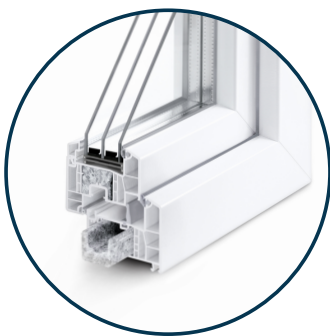


Optional Colors

Please call to inquire about the availability of custom laminated foil and painted finishes.

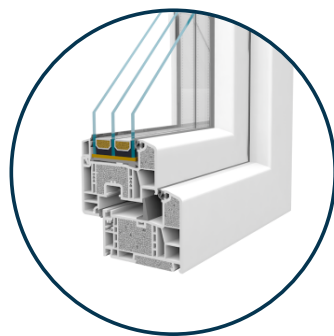
Multiple Frame Options

Alpen Tyrol Series



Tyrol

Our standard dual-foam frame insulation provides outstanding and affordable thermal solutions for a broad range of high performance design objectives.



Tyrol PH+

The Tyrol PH+ provides our highest rated frame insulation combination for your Passive House, Net Zero Energy or high performance project.



BUILDING SYSTEMS

720.287.4290

info@aebuildingsystems.com

AEBuildingSystems.com



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WINDOWS THAT INSULATE LIKE WALLS