



ALPEN

HIGH PERFORMANCE PRODUCTS

Alpen Tyrol Series

ALPEN HIGH PERFORMANCE PRODUCTS

Alpen Products Excel



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 R11 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 0.09 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 TYROL SERIES

European Styling & Hardware

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 a multi-point locking system and optional elegantly recessed Roto Designo 2 hinges 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 of a large window 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 text "American Made & Serviced" is overlaid on a dark blue rectangular background on the left side of the image.

American Made & Serviced

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



			Balanced			SolarControl			HighGain		
			U-factor	R-value	SHGC	U-factor	R-value	SHGC	U-factor	R-value	SHGC
Operable	TR-6	Suspended Film	0.16	6.1	0.23	0.17	5.9	0.17	0.18	5.7	0.35
		ThinGlass	0.15	6.8	0.24	0.15	6.8	0.17	0.15	6.6	0.39
	TR-9	Suspended Film	0.13	7.9	0.21	0.13	7.7	0.15	0.13	7.6	0.30
		ThinGlass	0.12	8.5	0.26	0.12	8.5	0.18	0.12	8.2	0.42
	TR-11	Suspended Film	na	na	na	0.12	8.1	0.13	na	na	na
		ThinGlass	na	na	na	na	na	na	na	na	na
Fixed	TR-6	Suspended Film	0.15	6.5	0.27	0.16	6.2	0.19	0.17	6.0	0.41
		ThinGlass	0.14	7.2	0.28	0.14	7.2	0.20	0.14	6.9	0.45
	TR-9	Suspended Film	0.11	9.0	0.24	0.12	8.6	0.17	0.12	8.4	0.35
		ThinGlass	0.12	8.5	0.26	0.12	8.5	0.18	0.12	8.2	0.42
	TR-11	Suspended Film	na	na	na	0.10	9.3	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 <i>Balanced</i>	- Well-rounded, high performance solution for all climates
AlpenGlass <i>SolarControl</i>	- Extra protection against unwanted solar gain
AlpenGlass <i>HighGain</i>	- Maximum light and solar heat gain

HIGH PERFORMANCE EUROPEAN STYLE WINDOWS & DOORS

High Performance Redefined



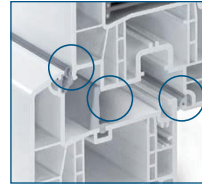
Now available with ThinGlass center pane(s)!*

- 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 TR-11 windows*



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.



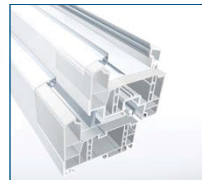
Patented integrated reinforcement system ensures the highest degree of strength at all critical points, using screw channels and additional lateral stiffening.



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.



PHIUS *and* PHI Certified

First of Its Kind

Alpen High Performance Products is the first U.S. Window manufacturer to achieve dual certification under both PHIUS and PHI programs. We believe our universally certified windows will truly streamline the passive house planning process, allowing designers and consultants more time to focus on their clients' needs.

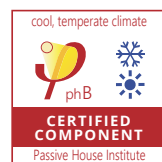
Accurate & Verified Data

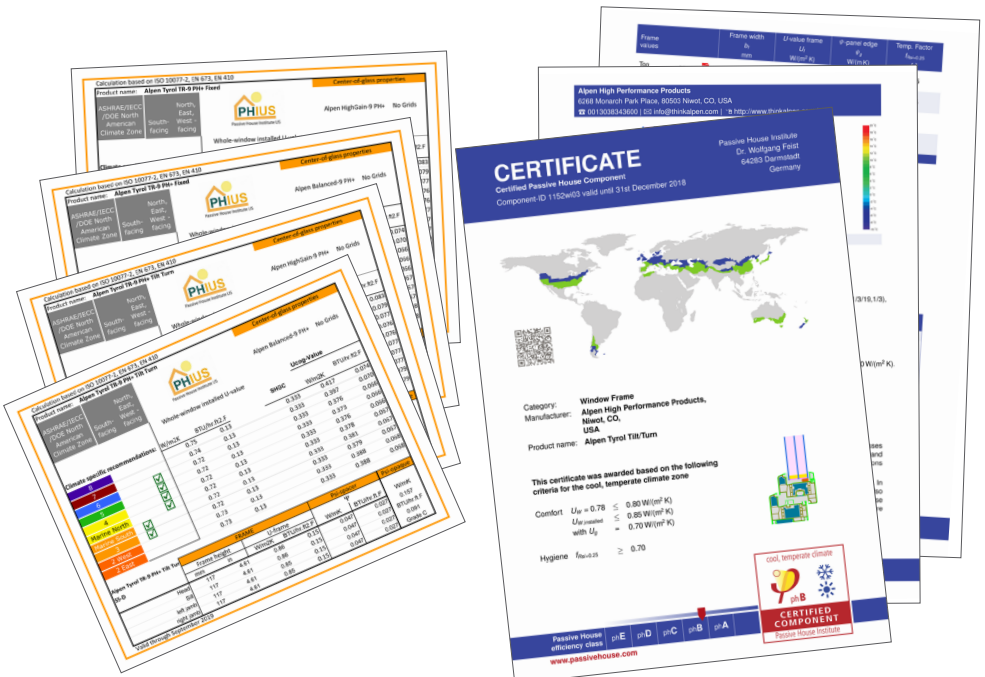
As a manufacturer of certified building components, it is our responsibility to ensure specifiers and designers have access to accurate verified data—allowing more informed decisions and setting a new standard of excellence for all window manufacturers.

Supporting the Community

We understand the challenges of designing and building a Passive House certified home, and appreciate the extra lengths homeowners and consultants go through to be responsible stewards of our planet.

Alpen is committed to leading the industry by supporting a wide range of high performance building communities.





HIGH PERFORMANCE EUROPEAN STYLE WINDOWS & DOORS

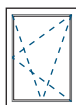
Tyrol Window Options



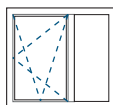
Fixed Window



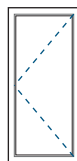
Hopper Window



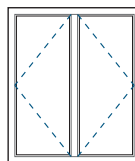
Tilt Turn/
Hopper Window



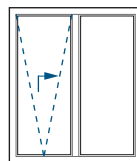
Combination Units



Side-Hinged Doors



French Doors



2-Panel
Tilt Glide Doors

Paint and Finish Options

Core Color

White


Standard Exterior Colors

Classic White, Black, or Bronze



Optional Colors

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

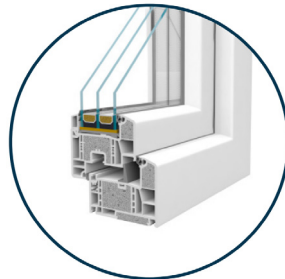


Multiple Frame Options



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.



ALPEN

HIGH PERFORMANCE PRODUCTS

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Explore Alpen's other high performance products:

Zenith Series: North American Style Windows & Doors

WinSert Series: Secondary Window Inserts

AlpenGlass: Commercial Ribbon Windows

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Before using, the user will determine suitability of the information for intended use and shall assume all risk and liability in connection therewith.

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WINDOWS THAT INSULATE LIKE WALLS