



Phius Product Number: W-102476
Date Last Certified: 02/19/2025
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 02/19/2027
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Alpen Tyrol TR-6 Fixed

Manufacturer: Alpen High Performance Products

Primary Frame Material: Vinyl

Series: TR-6 PH+

Fixed or Operable: Fixed

Model: Tyrol TR-6 Fixed

Operation Type: Fixed

IGU DETAILS

Glazing Name: HighGain-6 PH+

Glass Layers: Triple

Gas Fill: Argon

Spacer: Quanex Super Spacer Premium Plus

RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [Btu/hr·ft²·°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones						✓	✓	✓		
U-Whole-Window	0.12	0.11	0.11	0.11	0.12	0.11	0.12	0.12	0.13	0.13
Modeled Size [W×H]	47.24" × 59.06"				SHGC, Whole Window: 0.45			Condensation Resistance:		

COMPONENT-LEVEL PERFORMANCE DATA [IP Units] | *Compatible with building energy modeling tools*

U-COG | Center of Glass U-Values, by Climate Zone [Btu/hr·ft²·°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.12
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.57		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	2.91"	2.91"	2.91"	2.91"
Frame U-Value [Btu/hr·ft ² ·°F]	0.12	0.12	0.12	0.12
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.0108	0.0108	0.0108	0.0108
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				



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Manufacturer: Alpen High Performance Products

Primary Frame Material: Vinyl

Series: TR-6 PH+

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IGU DETAILS

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Glass Layers: Triple

Gas Fill: Argon

Spacer: Quanex Super Spacer Premium Plus

RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [W/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones						✓	✓	✓		
U-Whole-Window	0.66	0.64	0.64	0.65	0.66	0.64	0.68	0.69	0.73	0.75
Modeled Size [W × H]	1.20 m × 1.50 m		SHGC, Whole Window: 0.45				Condensation Resistance:			

COMPONENT-LEVEL PERFORMANCE DATA [SI Units] | *Compatible with building energy modeling tools*

U-COG | Center of Glass U-Values, by Climate Zone [W/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.58	0.57	0.57	0.57	0.58	0.57	0.61	0.62	0.67	0.71
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.57		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	74 mm	74 mm	74 mm	74 mm
Frame U-Value [W/m ² K]	0.70	0.70	0.70	0.70
Glazing-to-Frame Psi Value [W/mK]	0.0188	0.0188	0.0188	0.0188
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				