



Phius Product Number: W-102533
Date Last Certified: 07/30/2025
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 07/30/2027
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Alpen Tyrol Edge Fixed Picture Window	
Manufacturer: Alpen High Performance Products	Primary Frame Material: Vinyl
Series: Tyrol Edge	Fixed or Operable: Fixed
Model: Tyrol Edge Fixed Picture Window	Operation Type: Fixed

IGU DETAILS

Glazing Name: HighGain-9 TGQ ³ [41]		
Glass Layers: Quad	Gas Fill: Krypton	Spacer: Ködispace 4SG

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	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11
Modeled Size [W×H]	47.24" × 59.06"			SHGC, Whole Window: 0.39			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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.48		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	2.76"	2.76"	2.76"	2.76"
Frame U-Value [Btu/hr·ft ² ·°F]	0.17	0.17	0.17	0.17
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.0136	0.0136	0.0136	0.0136
Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				



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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	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.60
Modeled Size [W × H]	1.20 m × 1.50 m			SHGC, Whole Window: 0.39			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	0.41	0.40	0.40	0.41	0.40	0.40	0.40	0.40	0.41	0.43
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.48		

Frame Parameters	<i>Left Jamb</i>		<i>Right Jamb</i>		<i>Head</i>		<i>Sill</i>	
	Left	Right	Right	Left	Top	Bottom	Top	Bottom
Frame Width	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm
Frame U-Value [W/m²K]	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Glazing-to-Frame Psi Value [W/mK]	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237

Frame-to-Wall Psi Value is dependent on the on-site installation condition. *(See Phius Guidebook for more details.)*