



Phius Product Number: D-100190
Date Last Certified: 02/19/2025
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through:
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Alpen Tyrol TR-6 Inswing Door (Right Side Hinge)

Manufacturer: Alpen High Performance Products

Primary Frame Material: Vinyl

Series: TR-6 PH+

Operation Category: Swinging Door

Model: Tyrol TR-6 Inswing Door (Right Side Hinge)

Operation Type: Single Swinging Door

IGU DETAILS

Glazing Name: HighGain-6 PH+

Glass Layers: Triple

Gas Fill: Argon

Spacer Model: 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-Door 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-Door	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15

Modeled Size [W × H] 37.80" × 82.28" **SHGC, Whole Door:** 0.35 **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	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	5.67"	5.67"	5.67"	4.57"
Frame U-Value [Btu/hr·ft ² ·°F]	0.17	0.19	0.14	0.20
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0128	0.0127	0.0119	0.0117
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				



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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-Door 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-Door	0.80	0.79	0.79	0.79	0.80	0.79	0.82	0.83	0.86	0.88
Modeled Size [W × H]	0.96 m × 2.09 m				SHGC, Whole Door: 0.35			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	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	144 mm	144 mm	144 mm	116 mm
Frame U-Value [W/m ² K]	0.97	1.09	0.79	1.15
Glazing-to-Frame Psi Value [W/mK]	0.0223	0.0221	0.0206	0.0204
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				