



Phius Product Number: D-100309
Date Last Certified: 05/11/26
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 05/11/28
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Alpen Narrowline Sliding Glass Door

Manufacturer: Alpen High Performance Products

Primary Frame Material: Fiberglass

Series: Narrowline

Operation Category: Sliding Door

Model: Narrowline Sliding Glass Door

Operation Type: Sliding Door

IGU DETAILS

Glazing Name: HighGain-6 TGT [35mm oa]

Glass Layers: Triple

Gas Fill: Argon

Spacer Model: Ködispace 4SG

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	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Modeled Size [W × H]	78.74" × 78.74"		SHGC, Whole Door: 0.43				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	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

0.59

Frame Parameters	Left Jamb	Right Meeting Rail	Left Head	Left Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.76"	1.73"	5.12"	4.84"
Frame U-Value [Btu/hr·ft ² ·°F]	0.23	0.12	0.25	0.31
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0182	0.0428	0.0184	0.0184

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

Frame Parameters, Lite-Two	Left Meeting Rail	Right Jamb	Right Head	Right Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.49"	1.73"	5.12"	4.84"
Frame U-Value [Btu/hr·ft ² ·°F]	0.12	0.22	0.25	0.30
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0428	0.0182	0.0183	0.0181

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

For horizontal two-lite doors, assume Lite One is on the left and Lite Two is on the right. The right jamb of Lite One is the right meeting rail. The left jamb of Lite Two is the left meeting rail. | 05/11/2026



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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	1.00	0.99	0.99	0.99	0.98	0.99	0.98	0.98	0.98	0.99
Modeled Size [W × H]	2.00 m × 2.00 m		SHGC, Whole Door: 0.43				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	0.72	0.70	0.70	0.70	0.69	0.70	0.69	0.69	0.68	0.70

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

0.59

Frame Parameters	Left Jamb	Right Meeting Rail	Left Head	Left Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	121 mm	44 mm	130 mm	123 mm
Frame U-Value [W/m ² K]	1.32	0.71	1.40	1.73
Glazing-to-Frame Psi Value [W/mK]	0.0316	0.0741	0.032	0.0319

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

Frame Parameters, Lite-Two	Left Meeting Rail	Right Jamb	Right Head	Right Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	114 mm	44 mm	130 mm	123 mm
Frame U-Value [W/m ² K]	0.71	1.26	1.43	1.70
Glazing-to-Frame Psi Value [W/mK]	0.0741	0.0316	0.0318	0.0314

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

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