



Phius Product Number: D-100188
Date Last Certified: 10/31/2024
THERM Files Available: No

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



PRODUCT INFORMATION

Product Name: Amberline 79mm ALU Single Door

Manufacturer: Amberline Sp. z o.o.

Primary Frame Material: Aluminum

Series: 79mm ALU

Operation Category: Swinging Door

Model: 79mm ALU Single Door

Operation Type: Single Swinging Door

IGU DETAILS

Glazing Name: TH 1.0 / TH 1.0

Glass Layers: Triple

Gas Fill: Argon

Spacer Model: ALU-PRO MULTITECH G

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	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23
Modeled Size [W × H]	37.80" × 82.28"				SHGC, Whole Door: 0.21		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	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.11	0.11

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

0.35

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	5.91"	5.91"	5.91"	4.33"
Frame U-Value [Btu/hr·ft ² ·°F]	0.38	0.38	0.38	0.42
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0128	0.0128	0.0127	0.0125
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				



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Spacer Model: ALU-PRO MULTITECH G

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	1.25	1.24	1.24	1.25	1.24	1.24	1.26	1.27	1.30	1.32

Modeled Size [W × H] 0.96 m × 2.09 m **SHGC, Whole Door:** 0.21 **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	0.53	0.52	0.52	0.52	0.52	0.52	0.55	0.56	0.62	0.65

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

0.35

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	150 mm	150 mm	150 mm	110 mm
Frame U-Value [W/m ² K]	2.17	2.17	2.17	2.41
Glazing-to-Frame Psi Value [W/mK]	0.0222	0.0222	0.0221	0.0218
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				