



**Phius Product Number:** D-100186  
**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**

<b>Product Name:</b> Amberline 79mm ALU Single Door	
<b>Manufacturer:</b> Amberline Sp. z o.o.	<b>Primary Frame Material:</b> Aluminum
<b>Series:</b> 79mm ALU	<b>Operation Category:</b> Swinging Door
<b>Model:</b> 79mm ALU Single Door	<b>Operation Type:</b> Single Swinging Door

**IGU DETAILS**

<b>Glazing Name:</b> TH 1.1 / TH 1.1		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer Model:</b> 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
<b>Recommended Zones</b>						✓				
<b>U-Whole-Door</b>	0.22	0.23	0.23	0.23	0.23	0.22	0.23	0.23	0.23	0.24
<b>Modeled Size [W × H]</b>	37.80" × 82.28"		<b>SHGC, Whole Door:</b> 0.32				<b>Condensation Resistance:</b>			

**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
<b>U-COG Value</b>	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.12
<b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b>									0.53	

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
<b>Frame Width</b>	5.91"	5.91"	5.91"	4.33"
<b>Frame U-Value [Btu/hr·ft²·°F]</b>	0.38	0.38	0.38	0.42
<b>Glazing-to-Frame Psi Value [Btu/hr·ft²·°F]</b>	0.0127	0.0127	0.0127	0.0124
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				



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IGU DETAILS		
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RECOMMENDED CLIMATE ZONES <i>(NOTE: This information is not for use in building energy models. See next section.)</i>										
Recommended Climate Zones and Whole-Door U-values by Zone, at Standard Model Size [W/m <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
<b>Recommended Zones</b>						✓				
<b>U-Whole-Door</b>	1.27	1.28	1.28	1.28	1.28	1.28	1.29	1.30	1.33	1.35
<b>Modeled Size [W × H]</b>	0.96 m × 2.09 m		<b>SHGC, Whole Door:</b> 0.32				<b>Condensation Resistance:</b>			

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

U-COG   Center of Glass U-Values, by Climate Zone [W/m <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
<b>U-COG Value</b>	0.56	0.58	0.58	0.58	0.58	0.57	0.60	0.61	0.67	0.70
<b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b>								0.53		

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
<b>Frame Width</b>	150 mm	150 mm	150 mm	110 mm
<b>Frame U-Value [W/m<sup>2</sup>K]</b>	2.17	2.17	2.17	2.41
<b>Glazing-to-Frame Psi Value [W/mK]</b>	0.0221	0.0221	0.022	0.0216
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				