



Phius Product Number: W-102109
Date Last Certified: 09/18/2024
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 09/18/2026
Air Leakage Test Data Available: No



PRODUCT INFORMATION	
Product Name: Amberline 76mm Renovation Fixed Window	
Manufacturer: Amberline Windows & Doors	Primary Frame Material: Vinyl
Series: 76mm Renovation	Fixed or Operable: Fixed
Model: 76mm Renovation Fixed Window	Operation Type: Fixed

IGU DETAILS		
Glazing Name: TH 1.0 / TH 1.1		
Glass Layers: Triple	Gas Fill: Argon	Spacer: ALU-PRO MULTITECH G

RECOMMENDED CLIMATE ZONES <i>(NOTE: This information is not for use in building energy models. See next section.)</i>										
Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [Btu/hr·ft ² ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones					✓	✓	✓			
U-Whole-Window	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.14	0.15	0.15
Modeled Size [W×H]	47.24" × 59.06"			SHGC, Whole Window: 0.32			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·ft ² ·°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	0.10	0.10	0.11	0.12
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.41		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	3.31"	3.31"	3.31"	3.31"
Frame U-Value [Btu/hr·ft ² ·°F]	0.21	0.21	0.21	0.21
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.0139	0.0139	0.0140	0.0140

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



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PRODUCT INFORMATION		
Product Name: Amberline 76mm Renovation Fixed Window		
Manufacturer: Amberline Windows & Doors	Primary Frame Material: Vinyl	
Series: 76mm Renovation	Fixed or Operable: Fixed	
Model: 76mm Renovation Fixed Window	Operation Type: Fixed	
IGU DETAILS		
Glazing Name: TH 1.0 / TH 1.1		
Glass Layers: Triple	Gas Fill: Argon	Spacer: ALU-PRO MULTITECH G

RECOMMENDED CLIMATE ZONES <i>(NOTE: This information is not for use in building energy models. See next section.)</i>										
Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [W/m ² K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones					✓	✓	✓			
U-Whole-Window	0.78	0.77	0.77	0.77	0.77	0.77	0.79	0.80	0.84	0.87
Modeled Size [W x H]	1.20 m x 1.50 m			SHGC, Whole Window: 0.32			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/m ² K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.56	0.55	0.55	0.55	0.55	0.55	0.57	0.59	0.64	0.68
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.41		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	84 mm	84 mm	84 mm	84 mm
Frame U-Value [W/m²K]	1.21	1.21	1.22	1.22
Glazing-to-Frame Psi Value [W/mK]	0.0241	0.0241	0.0243	0.0243

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