



Phius Product Number: W-102034
Date Last Certified: 02/07/2024
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 02/07/2026
Air Leakage Test Data Available: No



PRODUCT INFORMATION		
Product Name: Peerless G500 Fixed Double Hollow Frame		
Manufacturer: Peerless Products Inc	Primary Frame Material: Aluminum	
Series: G500	Fixed or Operable: Fixed	
Model: G500 Fixed Double Hollow Frame	Operation Type: Fixed	
IGU DETAILS		
Glazing Name: 366 / arg / 180 / arg / i89		
Glass Layers: Triple	Gas Fill: Argon	Spacer: Cardinal XL Edge

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	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20
Modeled Size [W×H]	47.24" × 59.06"		SHGC, Whole Window: 0.20				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	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.26		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	3.19"	3.19"	3.19"	3.19"
Frame U-Value [Btu/hr·ft²·°F]	0.44	0.44	0.44	0.44
Glazing-to-Frame Psi Value [Btu/hr·ft²·°F]	0.0200	0.0200	0.0203	0.0200

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-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	1.19	1.18	1.18	1.18	1.21	1.18	1.21	1.17	1.16	1.16
Modeled Size [W x H]	1.20 m x 1.50 m		SHGC, Whole Window: 0.20				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	0.67	0.66	0.66	0.66	0.70	0.66	0.70	0.65	0.64	0.63
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.26		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	81 mm	81 mm	81 mm	81 mm
Frame U-Value [W/m ² K]	2.53	2.53	2.52	2.53
Glazing-to-Frame Psi Value [W/mK]	0.0347	0.0347	0.0352	0.0347
Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				