



**Phius Product Number:** W-102035  
**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	
<b>Product Name:</b> Peerless G500 Fixed Triple Hollow Frame	
<b>Manufacturer:</b> Peerless Products Inc	<b>Primary Frame Material:</b> Aluminum
<b>Series:</b> G500	<b>Fixed or Operable:</b> Fixed
<b>Model:</b> G500 Fixed Triple Hollow Frame	<b>Operation Type:</b> Fixed
IGU DETAILS	
<b>Glazing Name:</b> 366 / arg / 180 / arg / i89	
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon
<b>Spacer:</b> 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 <sup>2</sup> ·°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-Window</b>	0.21	0.21	0.21	0.21	0.21	0.20	0.21	0.20	0.20	0.20
<b>Modeled Size [W×H]</b>	47.24" × 59.06"				<b>SHGC, Whole Window:</b> 0.20			<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·ft <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
<b>U-COG Value</b>	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11
<b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b>								0.26		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
<b>Frame Width</b>	3.27"	3.27"	3.27"	3.27"
<b>Frame U-Value [Btu/hr·ft<sup>2</sup>·°F]</b>	0.42	0.42	0.42	0.42
<b>Glazing-to-Frame Psi Value [Btu/hr·ft<sup>2</sup>·°F]</b>	0.0213	0.0213	0.0212	0.0213

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



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<b>Manufacturer:</b> Peerless Products Inc	<b>Primary Frame Material:</b> Aluminum	
<b>Series:</b> G500	<b>Fixed or Operable:</b> Fixed	
<b>Model:</b> G500 Fixed Triple Hollow Frame	<b>Operation Type:</b> Fixed	
IGU DETAILS		
<b>Glazing Name:</b> 366 / arg / 180 / arg / i89		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer:</b> 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 [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-Window</b>	1.18	1.16	1.16	1.17	1.20	1.16	1.19	1.16	1.15	1.14
<b>Modeled Size [W x H]</b>	1.20 m x 1.50 m			<b>SHGC, Whole Window:</b> 0.20			<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>	0.67	0.66	0.66	0.66	0.70	0.66	0.70	0.65	0.64	0.63
<b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b>								0.26		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
<b>Frame Width</b>	83 mm	83 mm	83 mm	83 mm
<b>Frame U-Value [W/m<sup>2</sup>K]</b>	2.40	2.40	2.40	2.40
<b>Glazing-to-Frame Psi Value [W/mK]</b>	0.0369	0.0369	0.0368	0.0369

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