



**Phius Product Number:** W-102765  
**Date Last Certified:** 06/10/26  
**THERM Files Available:** No

**Phius Certification Path:** Blue Path  
**Valid Through:** 06/10/28  
**Air Leakage Test Data Available:** No



**PRODUCT INFORMATION**

<b>Product Name:</b> Berdick 3500 Fiberglass LP Fixed/Picture	
<b>Manufacturer:</b> Berdick Windows and Doors	<b>Primary Frame Material:</b> Fiberglass
<b>Series:</b> 3500 Series	<b>Fixed or Operable:</b> Fixed
<b>Model:</b> 3500 Fiberglass LP Fixed/Picture	<b>Operation Type:</b> Fixed
<b>NFRC CPD #:</b> BMM-M-13-00414-00001	

**IGU DETAILS**

<b>Glazing Name:</b> E180 / arg90 / clr / arg90 / E180 (6mm/6mm/6mm) 1-3/4" IG_CL		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer:</b> Cardinal Endur

**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 [Btu/hr·ft <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones						✓	✓			
U-Whole-Window	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Modeled Size [W×H]	47.24" × 59.06"		SHGC, Whole Window: 0.44				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 <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.52		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
Frame Width	2.05"	2.05"	2.05"	2.05"
Frame U-Value [Btu/hr·ft <sup>2</sup> ·°F]	0.25	0.25	0.25	0.25
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0120	0.0120	0.0117	0.0117
<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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**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 <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones						✓	✓			
U-Whole-Window	0.91	0.90	0.90	0.91	0.90	0.90	0.90	0.90	0.90	0.91
Modeled Size [W × H]	1.20 m × 1.50 m		<b>SHGC, Whole Window:</b> 0.44				<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
U-COG Value	0.76	0.75	0.75	0.75	0.74	0.75	0.74	0.74	0.74	0.75
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.52		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
<b>Frame Width</b>	52 mm	52 mm	52 mm	52 mm
<b>Frame U-Value</b> [W/m <sup>2</sup> K]	1.43	1.43	1.40	1.40
<b>Glazing-to-Frame Psi Value</b> [W/mK]	0.0208	0.0208	0.0203	0.0203
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				