phius certified product

Phius Product Number: W-102750
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

Product Name: Berdick 3500 Fiberglass Casement	
Manufacturer: Berdick Windows and Doors	**Primary Frame Material:** Fiberglass
Series: 3500 Series	**Fixed or Operable:** Operable
Model: 3500 Fiberglass Casement	**Operation Type:** Casement
NFRC CPD #: BMM-M-10-00443-00001	

IGU DETAILS

Glazing Name: E180 / arg90 / clr / arg90 / E180 (6mm/6mm/6mm) 1-3/4" IG_CL		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** 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^2•°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones						✔				
U-Whole-Window	0.20	0.19	0.19	0.20	0.19	0.19	0.19	0.19	0.19	0.20

Modeled Size [W×H] 23.62" × 59.06" **SHGC, Whole Window:** 0.35 **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	0.13	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*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	2.91"	2.91"	2.91"	2.91"
Frame U-Value [Btu/hr•ft^2•°F]	0.27	0.27	0.27	0.27
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0151	0.0151	0.0137	0.0137

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

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IGU 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	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.11

Modeled Size [W × H] 0.60 m × 1.50 m **SHGC, Whole Window:** 0.35 **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	0.76	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*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	74 mm	74 mm	74 mm	74 mm
Frame U-Value [W/m^{2}K]	1.55	1.55	1.54	1.54
Glazing-to-Frame Psi Value [W/mK]	0.0263	0.0263	0.0238	0.0238

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