



Phius Product Number: W-102545
Date Last Certified: 08/25/2025
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 09/11/2027
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Fibertec 300 Casement

Manufacturer: Fibertec Window & Door Group

Primary Frame Material: Fiberglass

Series: 300 Series

Fixed or Operable: Operable

Model: 300 Casement

Operation Type: Casement

NFRC CPD #: FWD-M-2-00159-00001

IGU DETAILS

Glazing Name: 4mm-272#2-Arg95-272#4-Arg95-ClrCGI_OA 1-5/16"

Glass Layers: Triple

Gas Fill: Argon

Spacer: Tremco EnerEDGE

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·ft²·°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓	✓	✓				
U-Whole-Window	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Modeled Size [W×H]	23.62" × 59.06"		SHGC, Whole Window: 0.23				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·ft²·°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

0.32

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	2.68"	2.68"	2.68"	2.68"
Frame U-Value [Btu/hr·ft ² ·°F]	0.24	0.24	0.23	0.23
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0143	0.0143	0.0135	0.0135

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/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓	✓	✓				
U-Whole-Window	1.03	1.03	1.03	1.03	1.02	1.03	1.02	1.02	1.02	1.02
Modeled Size [W × H]	0.60 m × 1.50 m		SHGC, Whole Window: 0.23				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/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.76	0.76	0.76	0.76	0.75	0.75	0.75	0.75	0.74	0.74

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

0.32

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	68 mm	68 mm	68 mm	68 mm
Frame U-Value [W/m ² K]	1.35	1.35	1.30	1.30
Glazing-to-Frame Psi Value [W/mK]	0.0249	0.0249	0.0235	0.0235

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