phius certified product

Phius Product Number: W-101529
Date Last Certified: 08/15/2023
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 04/04/2026
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: Andersen A-Series Casement	
Manufacturer: Andersen Corp	**Primary Frame Material:** Wood
Series: A-Series	**Fixed or Operable:** Operable
Model: A-Series Casement	**Operation Type:** Casement
NFRC CPD #: AND-N-86-03761-00001	

IGU DETAILS

Glazing Name: LowE HP Triple Pane with Argon		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** Cardinal XL Edge

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	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22

Modeled Size [W×H] 23.62" × 59.06" **SHGC, Whole Window:** 0.24 **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	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.37

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	3.31"	3.31"	3.31"	4.13"
Frame U-Value [Btu/hr•ft²•°F]	0.26	0.25	0.26	0.25
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0128	0.0128	0.0120	0.0128

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

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Product Name: Andersen A-Series Casement	
Manufacturer: Andersen Corp	**Primary Frame Material:** Wood
Series: A-Series	**Fixed or Operable:** Operable
Model: A-Series Casement	**Operation Type:** Casement
NFRC CPD #: AND-N-86-03761-00001	

IGU DETAILS

Glazing Name: LowE HP Triple Pane with Argon		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** Cardinal XL Edge

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	1.25	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.23	1.22

Modeled Size [W ×H] 0.60 m × 1.50 m **SHGC, Whole Window:** 0.24 **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	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.96	0.95

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.37

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	84 mm	84 mm	84 mm	105 mm
Frame U-Value [W/m²K]	1.45	1.44	1.47	1.43
Glazing-to-Frame Psi Value [W/mK]	0.0222	0.0223	0.0209	0.0222

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