phius certified product

Phius Product Number: W-101701
Date Last Certified: 11/02/2023
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 09/10/2030
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: Eko-Okna Salamander BluEvolution 82 Fixed Window	
Manufacturer: Eko-Okna S A	**Primary Frame Material:** Vinyl
Series: Salamander BluEvolution 82	**Fixed or Operable:** Fixed
Model: BluEvolution 82 Fixed Window	**Operation Type:** Fixed
NFRC CPD #: EKO-K-3-00011-00001	

IGU DETAILS

Glazing Name: CLSKN165 II/ARG/CLR (4MM/4MM) 24MM IG		
Glass Layers: Double	**Gas Fill:** Argon	**Spacer:** Saint-Gobain Swisspacer

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	0.21	0.21	0.20	0.21	0.21	0.22	0.23	0.24	0.25

Modeled Size [W×H] 47.24" × 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•ft^2•°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.18	0.19	0.19	0.18	0.20	0.19	0.21	0.22	0.24	0.25

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones 0.31

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	2.95"	2.95"	2.95"	2.95"
Frame U-Value [Btu/hr•ft^2•°F]	0.24	0.24	0.24	0.24
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0067	0.0067	0.0064	0.0065

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

Glazing Name: CLSKN165 II/ARG/CLR (4MM/4MM) 24MM IG		
Glass Layers: Double	**Gas Fill:** Argon	**Spacer:** Saint-Gobain Swisspacer

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	1.12	1.17	1.17	1.15	1.22	1.18	1.27	1.30	1.39	1.45

Modeled Size [W ×H] 1.20 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/m^{2}K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	1.01	1.07	1.07	1.05	1.14	1.10	1.21	1.24	1.36	1.43

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones 0.31

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	75 mm	75 mm	75 mm	75 mm
Frame U-Value [W/m^{2}K]	1.39	1.39	1.35	1.33
Glazing-to-Frame Psi Value [W/mK]	0.0116	0.0116	0.0112	0.0113

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