phius certified product

Phius Product Number: W-102119
Date Last Certified: 10/17/2024
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 10/17/2026
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: KF Window Technology - Passive+	
Manufacturer: KF Window Technology	**Primary Frame Material:** Vinyl
Series: Salamander bluEvolution 82	**Fixed or Operable:** Fixed
Model: Passive+ Fixed	**Operation Type:** Fixed

IGU DETAILS

Glazing Name: PLANITHERM XN/ARG/CLR/ARG/PLANITHERM XN (4MM/18/4MM/18/4MM) 48MM IG		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** SWISSPACER ULTIMATE

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	0.13	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.14	0.14

Modeled Size [W×H] 47.24"× 59.06" **SHGC, Whole Window:** 0.42 **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	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.12

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.53

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•ft²•°F]	0.18	0.18	0.18	0.18
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0086	0.0086	0.0082	0.0082

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

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Manufacturer: KF Window Technology	**Primary Frame Material:** Vinyl
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Model: Passive+ Fixed	**Operation Type:** Fixed

IGU DETAILS		
Glazing Name: PLANITHERM XN/ARG/CLR/ARG/PLANITHERM XN (4MM/18/4MM/18/4MM) 48MM IG		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** SWISSPACER ULTIMATE

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	0.72	0.70	0.70	0.71	0.70	0.70	0.72	0.73	0.78	0.80

Modeled Size [W ×H] 1.20 m × 1.50 m **SHGC, Whole Window:** 0.42 **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	0.59	0.57	0.57	0.58	0.57	0.57	0.60	0.61	0.66	0.70

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.53

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/m²K]	1.00	1.00	1.01	1.01
Glazing-to-Frame Psi Value [W/mK]	0.015	0.015	0.0143	0.0143

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