phius certified product

Phius Product Number: W-102098
Date Last Certified: 09/18/2024
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 09/18/2026
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: Inline Fiberglass 400 Series Commercial Fixed	
Manufacturer: Inline Fiberglass Ltd	**Primary Frame Material:** Fiberglass
Series: 400 Series Commercial	**Fixed or Operable:** Fixed
Model: 400 Series Commercial Fixed	**Operation Type:** Fixed
NFRC CPD #: IFL-A-21-00195-00001	

IGU DETAILS

Glazing Name: 5MM 272 ARG 5MM CL ARG 272 5MM - 1-3/4" IG		
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•ft²•°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones				✔	✔	✔	✔			
U-Whole-Window	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15

Modeled Size [W×H] 47.24"× 59.06" **SHGC, Whole Window:** 0.29 **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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.34

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	2.05"	2.05"	2.05"	2.05"
Frame U-Value [Btu/hr•ft²•°F]	0.27	0.27	0.26	0.26
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0071	0.0071	0.0068	0.0068

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/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones				✔	✔	✔	✔			
U-Whole-Window	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.81	0.83	0.85

Modeled Size [W ×H] 1.20 m × 1.50 m **SHGC, Whole Window:** 0.29 **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	0.63	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.67	0.70

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.34

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	52 mm	52 mm	52 mm	52 mm
Frame U-Value [W/m²K]	1.52	1.52	1.50	1.50
Glazing-to-Frame Psi Value [W/mK]	0.0123	0.0123	0.0119	0.0119

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