phius certified product

Phius Product Number: W-101297
Date Last Certified: 08/15/23
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 05/24/29
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: Kohltech cPVC Direct Glazed Sidelite	
Manufacturer: Kohltech Windows & Entrance Systems	**Primary Frame Material:** Vinyl
Series: cPVC	**Fixed or Operable:** Fixed
Model: cPVC Direct Glazed Sidelite	**Operation Type:** Sidelite
NFRC CPD #: KOI-A-33-00079-00001	

IGU DETAILS

Glazing Name: 7036 surfaces 2 & 4, Arg95, 1-3/8" OA		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** Quanex Super Spacer Premium Plus

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	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Modeled Size [W×H] 23.62" × 82.28" **SHGC, Whole Window:** 0.25 **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	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones 0.30

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	1.38"	1.38"	1.38"	2.91"
Frame U-Value [Btu/hr•ft^2•°F]	0.18	0.18	0.19	0.29
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0097	0.0097	0.0093	0.0127

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/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	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84

Modeled Size [W × H] 0.60 m × 2.09 m **SHGC, Whole Window:** 0.25 **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	0.69	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.69

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones 0.30

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	35 mm	35 mm	35 mm	74 mm
Frame U-Value [W/m^{2}K]	1.05	1.05	1.06	1.62
Glazing-to-Frame Psi Value [W/mK]	0.0168	0.0168	0.0161	0.022

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