



Phius Product Number: D-100140
Date Last Certified: 08/15/2023
THERM Files Available: No

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



PRODUCT INFORMATION

Product Name: Kohltech cPVC Outswing Door

Manufacturer: Kohltech Windows & Entrance Systems

Primary Frame Material: Vinyl

Series: cPVC

Operation Category: Swinging Door

Model: cPVC Outswing Door

Operation Type: Single Swinging Door

NFRC CPD #: KOI-A-35-151978-00001

IGU DETAILS

Glazing Name: 8071 surfaces 3 & 5, Arg95, 1"OA

Glass Layers: Triple

Gas Fill: Argon

Spacer Model: Quanex Super Spacer Premium

RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Door 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-Door	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23

Modeled Size [W × H] 37.80" × 82.28"

SHGC, Whole Door: 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	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18

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

0.61

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.37"	4.37"	4.37"	4.57"
Frame U-Value [Btu/hr·ft ² ·°F]	0.29	0.29	0.26	0.48
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0123	0.0123	0.0113	0.0125

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-Door 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-Door	1.34	1.34	1.34	1.34	1.33	1.33	1.33	1.32	1.32	1.31

Modeled Size [W × H] 0.96 m × 2.09 m **SHGC, Whole Door:** 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	1.05	1.04	1.04	1.05	1.04	1.04	1.03	1.03	1.02	1.01

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

0.61

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	111 mm	111 mm	111 mm	116 mm
Frame U-Value [W/m ² K]	1.63	1.63	1.49	2.72
Glazing-to-Frame Psi Value [W/mK]	0.0213	0.0213	0.0196	0.0218

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