



Phius Product Number: D-100208
Date Last Certified: 11/18/2025
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 11/18/2027
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: AWILUX aCube upvc Balcony door, Triple glazing	
Manufacturer: AWILUX Polska Sp. z o.o. Sp.k.	Primary Frame Material: Vinyl
Series: aMotion Series	Operation Category: Swinging Door
Model: aCube upvc Balcony door, Triple glazing	Operation Type: Single Swinging Door

IGU DETAILS

Glazing Name: SunEnergy+, Thermafloat, Guardian		
Glass Layers: Triple	Gas Fill: Argon	Spacer Model: ALU-PRO MULTITECH G

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	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.17
Modeled Size [W × H]	37.80" × 82.28"			SHGC, Whole Door: 0.37			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	0.10	0.10	0.11	0.12
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.53		

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.41"	4.41"	4.41"	3.31"
Frame U-Value [Btu/hr·ft²·°F]	0.22	0.22	0.22	0.37
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0153	0.0153	0.0150	0.0152
Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				



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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/m ² K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones					✓	✓	✓			
U-Whole-Door	0.88	0.87	0.87	0.87	0.87	0.87	0.88	0.90	0.93	0.96
Modeled Size [W × H]	0.96 m × 2.09 m			SHGC, Whole Door: 0.37			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	0.55	0.54	0.54	0.54	0.54	0.54	0.57	0.58	0.64	0.67
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.53		

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	112 mm	112 mm	112 mm	84 mm
Frame U-Value [W/m²K]	1.26	1.26	1.27	2.13
Glazing-to-Frame Psi Value [W/mK]	0.0265	0.0265	0.0261	0.0264
Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				