



Phius Product Number: W-101519
Date Last Certified: 08/15/2023
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 08/15/2025
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Pella Impervia Direct Set	
Manufacturer: Pella Corporation	Primary Frame Material: Fiberglass
Series: Impervia	Fixed or Operable: Fixed
Model: Impervia Direct Set	Operation Type: Fixed
NFRC CPD #: PEL-N-257-00360-00001	

IGU DETAILS

Glazing Name: Argon,5mm triple pane,PEL-N-257-00360-00001		
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·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	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18
Modeled Size [W×H]	47.24" × 59.06"		SHGC, Whole Window: 0.21				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	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.25		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	1.73"	1.73"	1.73"	1.73"
Frame U-Value [Btu/hr·ft ² ·°F]	0.21	0.21	0.20	0.22
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0125	0.0125	0.0124	0.0136
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	1.06	1.05	1.05	1.05	1.05	1.05	1.04	1.04	1.03	1.03
Modeled Size [W × H]	1.20 m × 1.50 m		SHGC, Whole Window: 0.21				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	0.97	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.93
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.25		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	44 mm	44 mm	44 mm	44 mm
Frame U-Value [W/m ² K]	1.17	1.17	1.15	1.25
Glazing-to-Frame Psi Value [W/mK]	0.0218	0.0218	0.0215	0.0237

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