phius certified product

Phius Product Number: W-102898
Date Last Certified: 10/28/26
THERM Files Available: No

Phius Certification Path: Orange Path
Valid Through: 10/28/28
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: Innotech 88PH+ PRO Fixed	
Manufacturer: Innotech Windows + Doors	**Primary Frame Material:** Vinyl
Series: 88PH+ PRO	**Fixed or Operable:** Fixed
Model: 88PH+ PRO Fixed	**Operation Type:** Fixed

IGU DETAILS

Glazing Name: E180 / arg / clr / arg / E180 (4mm/4mm/4mm) 46mm IG		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** Quanex Super Spacer

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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14

Modeled Size [W×H] 47.24" × 59.06" **SHGC, Whole Window:** 0.41 **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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.13

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones 0.56

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	3.66"	3.66"	3.66"	3.66"
Frame U-Value [Btu/hr•ft^2•°F]	0.11	0.11	0.12	0.12
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0184	0.0184	0.0181	0.0180

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

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Product Name: Innotech 88PH+ PRO Fixed	
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Series: 88PH+ PRO	**Fixed or Operable:** Fixed
Model: 88PH+ PRO Fixed	**Operation Type:** Fixed

IGU DETAILS

Glazing Name: E180 / arg / clr / arg / E180 (4mm/4mm/4mm) 46mm IG		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** Quanex Super Spacer

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	0.73	0.72	0.72	0.72	0.71	0.72	0.72	0.72	0.76	0.79

Modeled Size [W × H] 1.20 m × 1.50 m **SHGC, Whole Window:** 0.41 **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	0.64	0.63	0.63	0.63	0.62	0.63	0.63	0.64	0.69	0.72

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.56

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	93 mm	93 mm	93 mm	93 mm
Frame U-Value [W/m^{2}K]	0.65	0.65	0.66	0.66
Glazing-to-Frame Psi Value [W/mK]	0.032	0.032	0.0314	0.0313

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