



**Phius Product Number:** D-100166  
**Date Last Certified:** 10/09/2023  
**THERM Files Available:** No

**Phius Certification Path:** Orange Path  
**Valid Through:** 10/09/2025  
**Air Leakage Test Data Available:** No



| PRODUCT INFORMATION                                  |  |
|--|--|
| <b>Product Name:</b> Wintegra PVC Door Aluminum Sill |  |
| <b>Manufacturer:</b> Wintegra Windows Inc            | <b>Primary Frame Material:</b> Vinyl     |
| <b>Series:</b> PVC Door                              | <b>Operation Category:</b> Swinging Door |
| <b>Model:</b> PVC Door Aluminum Sill                 | <b>Operation Type:</b> Single Door       |

| IGU DETAILS  |                        |  |
|--|------------------------|--|
| <b>Glazing Name:</b> E366/ARG/E180/ARG/i89 (4mm all) 46mm OA |                        |  |
| <b>Glass Layers:</b> Triple                                  | <b>Gas Fill:</b> Argon | <b>Spacer Model:</b> Quanex Super Spacer Premium |

| RECOMMENDED CLIMATE ZONES <i>(NOTE: This information is not for use in building energy models. See next section.)</i> |                 |      |      |                               |        |        |                                 |      |      |      |
|---|-----------------|------|------|-------------------------------|--------|--------|---------------------------------|------|------|------|
| Recommended Climate Zones and Whole-Door U-values by Zone, at Standard Model Size [Btu/hr·ft <sup>2</sup> ·°F]        |                 |      |      |                               |        |        |                                 |      |      |      |
| Climate Zone  | 0, 1, 2         | 3A   | 3B   | 3C                            | 4A, 4B | 4C, 5C | 5A, 5B                          | 6    | 7    | 8    |
| Recommended Zones   | ✓               | ✓    | ✓    | ✓                             | ✓      | ✓      | ✓                               | ✓    |      |      |
| U-Whole-Door  | 0.13            | 0.13 | 0.13 | 0.13                          | 0.13   | 0.13   | 0.13                            | 0.13 | 0.13 | 0.14 |
| <b>Modeled Size [W × H]</b>   | 37.80" × 82.28" |      |      | <b>SHGC, Whole Door:</b> 0.16 |        |        | <b>Condensation Resistance:</b> |      |      |      |

**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 <sup>2</sup> ·°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 | 0.09 | 0.10 | 0.09   | 0.09   | 0.10   | 0.10 | 0.10 | 0.11 |
| <b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b> |         |      |      |      |        |        |        | 0.26 |      |      |

| Frame Parameters  | Left Jamb | Right Jamb | Left Head | Sill   |
|---|-----------|------------|-----------|--------|
| Frame Section   | Left      | Right      | Top       | Bottom |
| <b>Frame Width</b>  | 5.67"     | 5.67"      | 5.67"     | 4.57"  |
| <b>Frame U-Value</b> [Btu/hr·ft <sup>2</sup> ·°F]   | 0.14      | 0.14       | 0.14      | 0.20   |
| <b>Glazing-to-Frame Psi Value</b> [Btu/hr·ft <sup>2</sup> ·°F]  | 0.0143    | 0.0143     | 0.0143    | 0.0140 |
| <b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i> |           |            |           |        |



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**IGU DETAILS**

|  |                        |  |
|--|------------------------|--|
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| <b>Glass Layers:</b> Triple                                  | <b>Gas Fill:</b> Argon | <b>Spacer Model:</b> 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 [W/m <sup>2</sup> K] |                 |      |                               |      |        |                                 |        |      |      |      |
|--|-----------------|------|-------------------------------|------|--------|---------------------------------|--------|------|------|------|
| Climate Zone   | 0, 1, 2         | 3A   | 3B                            | 3C   | 4A, 4B | 4C, 5C                          | 5A, 5B | 6    | 7    | 8    |
| Recommended Zones  | ✓               | ✓    | ✓                             | ✓    | ✓      | ✓                               | ✓      | ✓    |      |      |
| U-Whole-Door   | 0.73            | 0.73 | 0.73                          | 0.73 | 0.72   | 0.72                            | 0.73   | 0.73 | 0.76 | 0.78 |
| <b>Modeled Size [W × H]</b>  | 0.96 m × 2.09 m |      | <b>SHGC, Whole Door:</b> 0.16 |      |        | <b>Condensation Resistance:</b> |        |      |      |      |

**COMPONENT-LEVEL PERFORMANCE DATA [SI Units]** | *Compatible with building energy modeling tools*

| U-COG   Center of Glass U-Values, by Climate Zone [W/m <sup>2</sup> 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 | 0.55 | 0.53   | 0.54   | 0.54   | 0.55 | 0.59 | 0.62 |
| <b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b> |         |      |      |      |        |        |        | 0.26 |      |      |

| Frame Parameters  | Left Jamb   | Right Jamb   | Left Head  | Sill          |
|---|-------------|--------------|------------|---------------|
| <b>Frame Section</b>  | <b>Left</b> | <b>Right</b> | <b>Top</b> | <b>Bottom</b> |
| <b>Frame Width</b>  | 144 mm      | 144 mm       | 144 mm     | 116 mm        |
| <b>Frame U-Value [W/m<sup>2</sup>K]</b>   | 0.81        | 0.81         | 0.82       | 1.13          |
| <b>Glazing-to-Frame Psi Value [W/mK]</b>  | 0.0248      | 0.0248       | 0.0249     | 0.0244        |
| <b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i> |             |              |            |               |