



**Phius Product Number:** W-102644  
**Date Last Certified:** 04/01/26  
**THERM Files Available:** No

**Phius Certification Path:** Orange Path  
**Valid Through:** 04/01/28  
**Air Leakage Test Data Available:** No



PRODUCT INFORMATION	
<b>Product Name:</b> Alpen Zenith ZR-6 Casement & Awning	
<b>Manufacturer:</b> Alpen High Performance Products	<b>Primary Frame Material:</b> Fiberglass
<b>Series:</b> Zenith ZR-6	<b>Fixed or Operable:</b> Operable
<b>Model:</b> Zenith ZR-6 Casement & Awning	<b>Operation Type:</b> Casement
IGU DETAILS	
<b>Glazing Name:</b> SolarControl-6 TGT [35mm oa]	
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon
<b>Spacer:</b> Ködispace 4SG	

RECOMMENDED CLIMATE ZONES <i>(NOTE: This information is not for use in building energy models. See next section.)</i>										
Recommended Climate Zones and Whole-Window 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-Window	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Modeled Size [W×H]	23.62" × 59.06"		SHGC, Whole Window: 0.19				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 <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.28		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	2.91"	2.91"	2.91"	2.91"
Frame U-Value [Btu/hr·ft <sup>2</sup> ·°F]	0.19	0.19	0.19	0.19
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0177	0.0177	0.0176	0.0176
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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<b>Manufacturer:</b> Alpen High Performance Products	<b>Primary Frame Material:</b> Fiberglass
<b>Series:</b> Zenith ZR-6	<b>Fixed or Operable:</b> Operable
<b>Model:</b> Zenith ZR-6 Casement & Awning	<b>Operation Type:</b> Casement

**IGU DETAILS**

<b>Glazing Name:</b> SolarControl-6 TGT [35mm oa]		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer:</b> Ködispace 4SG

**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 <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-Window	0.92	0.91	0.91	0.92	0.91	0.91	0.91	0.91	0.91	0.92
Modeled Size [W × H]	0.60 m × 1.50 m			SHGC, Whole Window: 0.19			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 <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.66	0.64	0.64	0.65	0.64	0.64	0.63	0.63	0.64	0.66
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.28		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	74 mm	74 mm	74 mm	74 mm
Frame U-Value [W/m <sup>2</sup> K]	1.10	1.10	1.11	1.11
Glazing-to-Frame Psi Value [W/mK]	0.0307	0.0307	0.0306	0.0306
Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				