



**Phius Product Number:** W-101619  
**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**

<b>Product Name:</b> Yawal USA TM 102 Fixed	
<b>Manufacturer:</b> Yawal USA	<b>Primary Frame Material:</b> Aluminum
<b>Series:</b> TM 102	<b>Fixed or Operable:</b> Fixed
<b>Model:</b> TM 102 Fixed	<b>Operation Type:</b> Fixed
<b>NFRC CPD #:</b> YAW-K-3-00014-00001	

**IGU DETAILS**

<b>Glazing Name:</b> 6mm Clear/Argon 90%/6mm ECLAZ II/Argon 90%/6mm ECLAZ II/Argon 90%/6mm ECLAZ II		
<b>Glass Layers:</b> Quad	<b>Gas Fill:</b> Argon	<b>Spacer:</b> SWISSPACER ULTIMATE

**RECOMMENDED CLIMATE ZONES** *(NOTE: This information is not for use in building energy models. See next section.)*

<b>Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [Btu/hr·ft<sup>2</sup>·°F]</b>										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones					✓	✓	✓	✓	✓	
U-Whole-Window	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Modeled Size [W×H]	47.24" × 59.06"			SHGC, Whole Window: 0.40			Condensation Resistance:			

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

<b>U-COG   Center of Glass U-Values, by Climate Zone [Btu/hr·ft<sup>2</sup>·°F]</b>										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08
<b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b>								0.48		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
Frame Width	2.36"	2.36"	2.36"	2.36"
Frame U-Value [Btu/hr·ft <sup>2</sup> ·°F]	0.25	0.25	0.24	0.24
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0061	0.0061	0.0061	0.0061
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				



**Phius Product Number:** W-101619  
**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**

<b>Product Name:</b> Yawal USA TM 102 Fixed	
<b>Manufacturer:</b> Yawal USA	<b>Primary Frame Material:</b> Aluminum
<b>Series:</b> TM 102	<b>Fixed or Operable:</b> Fixed
<b>Model:</b> TM 102 Fixed	<b>Operation Type:</b> Fixed
<b>NFRC CPD #:</b> YAW-K-3-00014-00001	

**IGU DETAILS**

<b>Glazing Name:</b> 6mm Clear/Argon 90%/6mm ECLAZ II/Argon 90%/6mm ECLAZ II/Argon 90%/6mm ECLAZ II		
<b>Glass Layers:</b> Quad	<b>Gas Fill:</b> Argon	<b>Spacer:</b> SWISSPACER ULTIMATE

**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					✓	✓	✓	✓	✓	
<b>U-Whole-Window</b>	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.64
<b>Modeled Size [W × H]</b>	1.20 m × 1.50 m			<b>SHGC, Whole Window:</b> 0.40			<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
<b>U-COG Value</b>	0.42	0.41	0.41	0.42	0.41	0.41	0.42	0.42	0.43	0.45
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.48		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
<b>Frame Width</b>	60 mm	60 mm	60 mm	60 mm
<b>Frame U-Value [W/m<sup>2</sup>K]</b>	1.40	1.40	1.39	1.39
<b>Glazing-to-Frame Psi Value [W/mK]</b>	0.0106	0.0106	0.0106	0.0106

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