

## Product Evaluation

WIN2435 | 0322

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

**Evaluation ID:** WIN-2435

**Effective Date:** March 1, 2022

**Re-evaluation Date:** January 2025

**Product Name:** Series 8100 Vinyl Single Hung Windows, Fin and Frame Installation, Non-Impact Resistant

**Manufacturer:** Custom Window Systems, Inc.  
1900 SW 44<sup>th</sup> Ave.  
Ocala, FL 34474  
(352) 368-6922

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 8100 Vinyl Oriel Single Hung Windows	LC-PG60 (52 x 96)-H	+60 / -60 psf
2	Series 8100 Vinyl Single Hung Windows	LC-PG50 (53 x 76)-H	+50 / -50 psf
3	Series 8100 Vinyl Oriel Single Hung Windows	LC-PG60 (53 x 96)-H	+50 / -50 psf
4	Series 8100 Vinyl Single Hung Windows; Twin	H-R70 (74 x 63)	+70 / -70 psf
5	Series 8100 Vinyl Single Hung Windows; Twin Muller	H-R65 (74 x 72)	+65 / -65 psf

**Product Dimensions:**

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	52" x 96"	48-9/16" x 30-3/16"	47-13/16" x 61-1/16"
2	53-1/8" x 76"	47-5/16" x 37-5/16"	48-15/16" x 33-15/16"
3	52" x 96"	47-13/16" x 61-1/16"	48-9/16" x 30-3/16"
4	74-1/8" x 63"	32-5/16" x 30-3/16" (2)	31-9/16" x 26-13/16" (2)
5	74-1/8" x 72"	32-3/16" x 31-15/16" (2)	32-15/16" x 35-5/16" (2)

**Product Identification (Certification Label on Window):**

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-1008
	Product Name	8100 PVC Oriel Flange Frame Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-1007
	Product Name	8100 PVC Flange Frame Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-1009
	Product Name	8100 PVC Oriel Fin Frame Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-487
	Product Name	8100 PVC Twin Single Hung w/ Integral Mull & Riser
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
5	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-492
	Product Name	SH-8100 PVC Twin Single Hung Combination Ass'y
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Impact Resistance:**

System	Impact Resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

System		
1, 3	Type of Installation	Install in accordance with Custom Window Systems drawing No. TDI-293, dated November 10, 2015. Revision D dated January 12, 2022. Signed and sealed by Lucas A. Turner, P.E. on January 14, 2022.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
2	Type of Installation	Install in accordance with Custom Window Systems drawing No. TDI-154, dated November 10, 2015. Revision C dated December 14, 2021. Signed and sealed by Lucas A. Turner, P.E. on January 14, 2022.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
4	Type of Installation	Install in accordance with Custom Window Systems drawing No. TDI-442, dated November 10, 2015. Revision C dated December 14, 2021. Signed and sealed by Lucas A. Turner, P.E. on January 14, 2022.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
5	Type of Installation	Install in accordance with Custom Window Systems drawing No. TDI-492, dated November 10, 2015. Revision C dated December 14, 2021. Signed and sealed by Lucas A. Turner, P.E. on January 14, 2022.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.