

Product Evaluation

WIN2224 | 1022

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-2224**Effective Date:** October 1, 2022**Re-evaluation Date:** April 2024**Product Name:** 8150 Series Vinyl Fixed Windows, Fin and Frame Installation, Impact Resistant

Manufacturer: Custom Window Systems, Inc.
1900 SW 44th Avenue
Ocala, FL 34474
(352) 368-6922

General Description:

System	Description	Label Rating	Design Pressure Rating
1	8150 Series Vinyl Fixed Windows; O	LC-PG60 (36 x 72)-FW Missile Level D	+60 / -60 psf
2	8150 Series Vinyl Fixed Windows; O	FW-C75 (36 x 72) Missile Level D	+75 / -75 psf
3	8150 Series Vinyl Fixed Windows; O	CW-PG65 (72 x 76)-FW Missile Level D	+67.5 / -67.5 psf
4	8150 Series Vinyl Fixed Windows; Twin; OO	FW-C65 (74 x 72) Missile Level D	+65 / -65 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1-2	36" x 72"	31-13/16" x 67-13/16"
3	72" x 76"	67-13/16" x 71-13/16"

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
4	74-1/8" x 72"	32-3/16" x 67-13/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-1095 (Structural) CAR# 138-536 (Impact)
	Product Name	8150 PVC Fin/Flange Frame Imp Fixed Picture
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-05,09; Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-491 (Structural) CAR# 138-259 (Impact)
	Product Name	8100 Vinyl Fin/Flange Frame Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-05; Missile Level D
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-1362 (Structural) CAR# 138-562 (Impact)
	Product Name	8150 Impact Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-05,09; Missile Level D
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 138-705 (Structural) CAR# 138-261 (Impact)
	Product Name	PW-8150 PVC Fin/Flange Imp Fixed Twin Comb Assy
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-05; Missile Level D

Compliance: The products comply with AAMA/WDMA/CSA 101/I.S.2/A440-17, ASTM E 1886-13a, and ASTM E 1996-14a as referenced in the 2018 IRC and 2018 IBC.

Impact Resistance:

System	Impact Resistant	Requirement
1-4	Yes	These products have been tested for windborne debris resistance. They satisfy Missile Level D requirements specified in ASTM E 1996-14a.

Installation:

System		
1	Type of Installation	Install in accordance with Custom Window Systems drawings No. TDI-1032; dated November 12, 2015; Revision C dated May 10, 2021. Signed and sealed by Lucas A. Turner, P.E. on May 27, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
2, 3	Type of Installation	Install in accordance with Custom Window Systems drawings No. TDI-433; dated November 19, 2015, Revision B dated May 11, 2021. Signed and sealed by Lucas A. Turner, P.E. on June 1, 2021.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
4	Type of Installation	Install in accordance with Custom Window Systems drawings No. TDI-433; dated November 12, 2015, Revision B dated May 11, 2021. Signed and sealed by Lucas A. Turner, P.E. on May 27, 2021.
	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.