

Product Evaluation

WIN2039 | 0523

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-2039

Effective Date: May 1, 2023

Re-evaluation Date: January 2026

Product Name: Model 143.191 CA Vinyl Casement Windows, Fin or Frame Installation, Impact Resistant

Manufacturer: Showcase Window and Door Company LLC
12613 Citypark Dr. Unit 100
Missouri City, TX 77489
(713) 926-8500

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Model 143.191 CA Vinyl Casement Windows; X	LC-PG50 (37 x 76)-C Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Sash Daylight Opening Size
1	37" x 76"	35-3/8" x 73-1/8"	32-1/16" x 71-1/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 839-223 (Structural) CAR# 839-1097 (Impact)
	Product Name	143.191 CA Rep/NC Impact Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-09, AAMA 506-11 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	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 the window in accordance with Showcase Custom Windows & Doors drawing 08-03103A, titled: "Model 143.191 VINYL CASEMENT WINDOW, IMPACT 37" x 76;" sheets 1 through 7 of 7; dated May 1, 2017; Revision A dated December 14, 2021; signed, sealed, and dated February 2, 2022, by Luis R. Lomas, P.E.
	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.