

Product Evaluation

WIN1836 | 0722

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-1836

Effective Date: July 1, 2022

Re-evaluation Date: January 2026

Product Name: 142.094SH-003/143/145.095 Vinyl Single Hung Windows, Fin and Frame Installation, Non-Impact Resistant

Manufacturer: Showcase Windows and Doors
12613 Citypark Dr. Unit 100
Missouri City, TX 77489
(713) 926-8500

General Description:

System	Description	Label Rating	Design Pressure Rating
1	142.094SH-003/143/145.095 Vinyl Single Hung Windows	H-R50 48 x 72	+50 / -50 psf
2	142.094SH-003/143/145.095 Vinyl Single Hung Windows	H-R50 53 x 72	+50 / -50 psf
3	143.095 Vinyl Single Hung Windows	LC-PG50 36 x 84-H	+50 / -55 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	48" x 72"	44-1/4" x 35"	43" x 32-5/8"
2	53-1/8" x 72"	50-1/2" x 35-1/2"	48-1/8" x 32-5/8"
3	35-1/2" x 83-1/2"	32-1/4" x 41-1/8"	29-3/4" x 38-5/8"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 839-1038
	Product Name	142.094SH-003/143/145.095 NC Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 839-1037
	Product Name	142.094SH-003/143/145.095 Rep Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 839-1607
	Product Name	143.095 Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:**Frame Installation (System 1):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 8 x 1.5" PFH screws. Locate the screws approximately 2" from each corner and 10" on center thereafter along the head, sill, and side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 2):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 8 PPH screws. Locate the screws approximately 2" from each corner and 16" max. on center along the side jambs. No screws were used at the head and sill. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Integral Nail Fin Installation (System 3):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using an integral nail fin. The nailing fin is secured to the wall framing using minimum No. 8 pan head screws. Locate the screws approximately 2" from each corner and 13" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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.