

Product Evaluation

WIN1835 | 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-1835

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, 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	143.095 Oriel Single Hung Windows (O/X)	R-PG65 44 x 84-H Missile Level D	+65 / -65 psf
2	142.094SH-003/143/145.095 Vinyl Single Hung Windows	H-R50 48 x 72 Missile Level D	+50 / -50 psf
3	142.094SH-003/143/145.095 Vinyl Single Hung Windows	H-R50 53 x 72 Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Glass Daylight Opening Size
1	44.0625" x 84"	40.8125" x 35.125"	38.75" x 44.50"
2	48" x 72"	44.25" x 35"	43" x 32.625"
3	53.125" x 72"	50.50" x 35.50"	48.125" x 32.625"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #839-216/839-1060
	Product Name	143.095 SH Oriel Impact Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-06 Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #839-212/839-1035
	Product Name	142.094SH-003/143/145.095 NC Imp Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886-05/E1996-06 Missile Level D
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #839-211/839-1034
	Product Name	142.094SH-003/143/145.095 Rep Imp Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886-05/E1996-06 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-3	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System		
1	Type of Installation	Install in accordance with Earthwise Group LLC drawing No. 08-03107, dated April 25, 2017. Revision A dated December 14, 2021. Signed and sealed by Luis R. Lomas, P.E. on February 9, 2022.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
2	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No 8 PPH screws
	Fastener Location/Spacing	2" from each corner and 10" on center along the perimeter
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
3	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No 8 PPH screws
	Fastener Location/Spacing	2" from each corner and 16" (max.) on center thereafter along the side jambs
	Fastener Penetration	Minimum of 1-1/2" into the wall framing

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.