

Product Evaluation

WIN1831 | 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-1831

Effective Date: July 1, 2022

Re-evaluation Date: January 2026

Product Name: 142.194DH-018/143/145.195 Vinyl Double Hung Windows, 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	142.194DH-018/143/145.195 Vinyl Double Hung Windows; X/X	H-R50 48 x 72 Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Top Sash Size	Bottom Sash Size
1	48" x 72"	34.625" x 43.375"	35.625" x 44.375"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #839-213/839-1036
	Product Name	142.194DH-018/143/145.195 NC/Rep Imp DH
	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	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	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

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.