



# Product Evaluation

WIN1831 | 1016

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:** October 1, 2016  
**Re-evaluation Date:** March 2019

**Product Name:** 142.194DH-018/143/145.195 Vinyl Double Hung Windows, New and Replacement Construction, Impact Resistant

**Manufacturer:** Earthwise Group. LLC, manufactured by:  
Showcase Custom Vinyl Windows and Doors  
1702 Cullen Blvd.  
Houston, Texas 77023  
Telephone: (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	Bottom Sash
1	48" x 72"	43-3/8" x 34-5/8"	44-3/8" x 35-5/8"

**Product Identification (Certification Label on Window):**

System		
1	Certification Agency	KEYSTONE
	Manufacturer's Name or Code Name	839
	Product / Model	142.194DH-018/143/145.195 NC/Rep Imp DH
	Certification Authorization Report (CAR) Number	839-213 839-1036
	CAR Test Standards	ASTM E1886-05 ASTM E1996-06 Missile Level D AAMA/WDMA/CSA 101/I.S.2/A440-05

**Impact Resistance:**

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

**Acceptance of Smaller Assemblies:** Window assemblies with dimensions equal to or smaller than those specified are acceptable with the limitations specified in this report.

**Installation (One of the following):**

System		
1	Type of Installation	New Construction - Nail Fin
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 8 x 1-5/8" screws
	Fastener Location/Spacing	Drive fasteners 2" maximum from each corner and approximately 10" on center along the perimeter through nail fin.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
	Type of Installation	Replacement Construction - Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 8 x 1-5/8" screws
	Fastener Location/Spacing	Frame Head and Frame Sill : No fasteners. Frame Jamb: Drive fasteners 2" maximum from each corner and approximately 16" thereafter.
	Fastener Penetration	Minimum 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, the IBC, and the Texas Revisions.