



Product Evaluation

WIN1930 | 0916

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-1930

Effective Date: September 1, 2016

Re-evaluation Date: December 2017

Product Name: Series 143.191 Vinyl Awning Windows, New Construction and Replacement, Impact Resistant

Manufacturer: Earthwise Group, LLC., manufactured by
Showcase Vinyl Custom Windows and Doors
1702 Cullen Blvd.
Houston, TX 77023
(713) 926-8500

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 143.191 Vinyl Impact Awning Windows	LC-PG70 53x39; Missile Level D	+50, -50 psf

Component Dimensions:

System	Overall Window Wall Size	Operable Sash Daylight Opening
1	53-1/8" x 39"	48-3/16" x 34-1/16"

Product Identification: Affix two certification program labels (Keystone) to the windows. The certification program labels include the manufacturer's CAR number; product name; performance characteristics; and the approved inspection agency (Keystone). One label includes the following applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-11. The second label includes the following applicable standards: AAMA 506-11 or ASTM E 1886-05 and ASTM E 1996-09. The manufacturer can have one Keystone label indicating both approvals.

Each certification label contains a Certification Authorization Report (CAR) number located on the mid-section of the label and a model name for the window in the left side of the label. The following CAR numbers and model names are located on each label:

Label Identification:

			Certification Authorization Report (CAR) number
System	Model	Label with AAMA/WDMA/CSA 101/I.S.2/A440-11	ASTM E 1886-05 and ASTM E 1996-09
1	Series 143.191 AW Vinyl Impact Awning Windows	839-1301	839-224

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:

System		
1	Type of Installation	Fin mount
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 8 Screws
	Fastener Location/Spacing	Frame Head and Sill: From the left jamb to the right, a fastener shall be located at 5", 15", 25", 35", and 45". Frame Jambs: From the frame head to the sill, a fastener shall be located at 6", 13", 20", 27", 34" and 40".
	Fastener Penetration	Minimum of 1-1/2" into the wall framing members
	Type of Installation	Replacement – Through Jambs
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 8 Screws
	Fastener Location/Spacing	Frame Head and Sill: From the left jamb to the right, a fastener shall be located at 5", 15", 25", 35", and 45". Frame Jambs: From the frame head to the sill, a fastener shall be located at 6", 13", 20", 27", 34" and 40".
	Fastener Penetration	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, the IBC, and the Texas Revisions.