



Product Evaluation

WIN1979 | 0415

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-1979 **Effective Date:** April 1, 2015
Re-evaluation Date: March 2018

Product Name: Series 35/235 Vinyl Single-Hung Windows, New and Replacement Construction, Individual, Impact Resistant

Manufacturer: Atrium Windows & Doors
9001 Ambassador Row
Dallas, TX 75247
(214) 637-2696

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 35/235 Vinyl Single-Hung Windows; New Construction; Individual (O/X)	LC-PG55 (53 X 77) H Missile Level D	+55 / -55 psf
2	Series 35/235 Vinyl Single-Hung Windows; Replacement Construction; Individual (O/X)	LC-PG55 (53 X 77) H Missile Level D	+55 / -55 psf

Product Dimensions:

System	Overall Size	Operable Sash Daylight Opening Size	Fixed Sash Daylight Opening Size
1	53" x 77"	46-5/8" x 35"	48-5/8" x 35"
2	53" x 77"	46-5/8" x 35"	48-5/8" x 35"

Product Identification (Certification Label on Window):

System		
1,2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	Series 35/235 Single-Hung (F41)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-05/ASTM E 1996-05 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1,2	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.

Installation:

System		
1 (FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber (Minimum)
	Fasteners	Minimum No. 8 x 1-1/2" pan head screws
	Fastener Location/Spacing	Drive fasteners around the entire window perimeter through the nail fin at 2" from each corner centerline and at 8" on center thereafter.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2 (NO FIN)	Type of Installation	Replacement Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber (Minimum)
	Fasteners	Minimum No. 10 x 2-1/2" wood screws
	Fastener Location/Spacing	Drive fasteners through the window head at 4" from each window frame corner and through the window head at midpoint. Drive fasteners through the window jambs at 4" from each window frame corner and through the window jamb at 18" maximum spacing. For additional installation instructions, refer to the drawing: Atrium Series 35 235 SH Impact (NO FIN) .pdf
	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.