



Product Evaluation

WIN1175 | 1214

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-1175

Effective Date: December 1, 2014

Re-evaluation Date: February 2015

Product Name: Series 700/705/750/755 Vinyl Casement Windows, New and Replacement Construction, Non-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 700/705/750/755 Vinyl Casement Windows; X	C-C55 36 x 72	+55 / -55 psf
2	Series 700/705/750/755 Vinyl Casement Windows; Continuous Head and Sill; XX	C-C50 72 x 72	+50 / -50 psf
3	Series 700/705/750/755 Vinyl Casement Windows; Continuous Head and Sill; XX	C-C60 72 x 60	+60 / -60 psf

Product Dimensions:

System	Overall Size	Operating Sash Size
1	36" x 72"	34" x 70-1/8"
2	72" x 72"	34-1/2" x 70-1/8"
3	72" x 60"	34-1/2" x 58-1/8"

Product Identification (Certification Agency Label on Window):

System		
1, 2, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-1
	Product Name	700/720/750/760 Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 10 x 2-1/2" Screws
	Fastener Location/Spacing	Approximately 5" from each corner and 20" on center along each side jamb
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.
2, 3	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 10 x 2-1/2" Screws
	Fastener Location/Spacing	<u>Head and Sill:</u> Approximately 4" from each corner, 4" on either side of the mullion, and at the midpoint of each sash. <u>Jamb:</u> Approximately 5" from each corner and at the midpoint
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.
1, 2, 3	Type of Installation	New Construction – Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 8 Screws
	Fastener Location/Spacing	Approximately 2" from each corner and 12" on center along the perimeter. Two additional screws on either side of the mullion.
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.

Note: The manufacturer's installation instructions must be available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.