



Product Evaluation

WIN655 | 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-655

Effective Date: April 1, 2015

Re-evaluation Date: September 2018

Product Name: Series 30/230 Vinyl Fixed Windows, New and Replacement Construction, 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 30/230 Vinyl Fixed Window; O	FW-C55 71x77 Missile Level D	+55 / -55 psf
2	Series 30/230 Vinyl Fixed Window; Triple; O.O.O	Maximum Mullion Size: 133x72 Applied Mull Rating: 55 psf Missile Level D	+55 / -55 psf

Product Dimensions:

System	Overall Size	Glass Daylight Opening Size
1	71-3/8" x 76-3/4"	68" x 73"
2	133" x 72"	Three (3); 40-5/8" x 68-5/8"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	30/230 Impact Vinyl Fixed Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-05/ASTM E 1996-05 Missile Level D
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	30/230 Vinyl Triple Fixed Window Qualified Configurations: O, OO,OOO
	Test Standards	AAMA 450-06; AAMA 506-06 AAMA/WDMA/CSA 101/I.S.2/A440-05 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 (One of the following):

System		
1	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir Dimension Lumber
	Fasteners	Minimum No. 8 screws
	Fastener Location/Spacing	Approximately 2-1/2" from each corner and 8" on center along the perimeter
	Fastener Penetration	Minimum 1-1/2" into the wall framing
1	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir Dimension Lumber
	Fasteners	Minimum No. 10 x 2-1/2" screws
	Fastener Location/Spacing	Approximately 6" from each corner and 20" on center along the perimeter
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Installation (One of the following) - Continued:

System		
2	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 8 screws
	Fastener Location/Spacing	Approximately 2" from each corner and 8" on center along the perimeter. An aluminum T-shaped mullion clip (2" wide x 2.5" high x 1/8") is required at each end of the mullions at the head and the sill. Each mullion clip is secured to the wall framing with two, No. 8 screws. No fasteners required to secure clip to mullions.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 8 x 1-3/4" screws
	Fastener Location/Spacing	Jams: Approximately 6" and 24" from each end and one at the mid span. Head and Sill: Approximately 6" from each corner, 6" on either side of each mullion, and one at the mid span of each window. An aluminum T-shaped mullion clip (2" wide x 2.5" high x 1/8") is required at each end of the mullions at the head and the sill. Each mullion clip is secured to the wall framing with two No. 8 screws. No fasteners required to secure clip to mullions.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.