



Product Evaluation

WIN1315 | 0416

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-1315

Effective Date: April 2016

Re-evaluation Date: September 2018

Product Name: Series 30/230 Vinyl Fixed 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 30/230 Vinyl Fixed Window | FW-C55 72 x 84 | ±55 psf |
| 2 | Series 30/230 Vinyl Fixed Window Triple; O.O.O | Individual Rating: FW-R55 44 x 72 Applied Mullion Rating: 134 x 72 | ±55 psf |

Product Dimensions:

| System | Overall Size | Fixed Sash Daylight Opening Size |
|--------|--------------|----------------------------------|
| 1 | 72" x 84" | 69-3/4" x 80-3/4" |
| 2 | 134" x 72" | Three: 40-5/8" x 68-3/4" |

Product Identification (Certification Label on Window):

| System | | |
|--------|----------------------------------|--|
| 1 | Certification Agency | NAMI |
| | Manufacturer's Name or Code Name | Atrium Companies, Inc. |
| | Product Name | 30/230 NI Vinyl Fixed Window |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-05 |
| 2 | Certification Agency | NAMI |
| | Manufacturer's Name or Code Name | Atrium Companies, Inc. |
| | Product Name | 30/230 Vinyl Triple Fixed Window (Fin or Replacement Frame) |
| | Test Standards | AAMA 450-06 AAMA/WDMA/CSA 101/I.S.2/A440-05 Applied Mullion Rating |

Impact Resistance:

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

Installation (One of the following):

| System | | |
|--------|---------------------------|---|
| 1 | Type of Installation | New Construction – Nail Fin |
| | Wall Framing | Spruce-Pine-Fir sawn lumber |
| | Fasteners | Minimum #8 x 3/4" long screws |
| | Fastener Location/Spacing | Approximately 2-1/2" from each corner and approximately 8" on center along the perimeter |
| | Fastener Penetration | Minimum 3/4" penetration into wall framing |
| 1 | Type of Installation | Replacement Construction- Block Install |
| | Wall Framing | Spruce-Pine-Fir sawn lumber |
| | Fasteners | Minimum #10 x 2-1/2" long screws |
| | Fastener Location/Spacing | Perimeter Frame- Approximately 6" from each corner and approximately 18" on center along the perimeter |
| | Fastener Penetration | Minimum 1-1/2" into wall framing |
| 2 | Type of Installation | New Construction – Nail Fin |
| | Wall Framing | Spruce-Pine-Fir sawn lumber |
| | Fasteners | Minimum #8 x 3/4" long screws |
| | Fastener Location/Spacing | Nail Fin- Approximately 4" from each corner and approximately 8" on center along the perimeter Mullion Clips- At the end of each mullion an aluminum mullion clip (2" x 2-1/2" x 1/8") is secured to the wall framing with two #8 screws |
| | Fastener Penetration | Minimum 3/4" penetration into wall framing |

Installation (One of the following) - Continued:

| System | | |
|--------|---------------------------|--|
| 2 | Type of Installation | Replacement Construction – Block Install |
| | Wall Framing | Spruce-Pine-Fir sawn lumber |
| | Fasteners | Minimum #8 x 1-3/4" long screws |
| | Fastener Location/Spacing | Side Jambs- Approximately 6" from each corner and approximately 24" on center thereafter Head and Sill- Approximately 6" from each corner and an additional screw at the center of each fixed unit Mullion Clips- At the end of each mullion an aluminum mullion clip (2" x 2-1/2" x 1/8") is secured to the wall framing with two #8 screws |
| | Fastener Penetration | Minimum 1-1/4" into 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.