



Product Evaluation

WIN1984 | 0816

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-1984

Effective Date: August 1, 2016

Re-evaluation Date: December 2019

Product Name: Series 65/265 Vinyl Fixed 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 65/265 Vinyl Fixed Windows; New Construction; Individual (O)	R-PG50 (72 X 72) FW Missile Level D	+50 / -50 psf
2	Series 65/265 Vinyl Fixed Windows; Replacement Construction; Individual (O)	R-PG50 (72 X 72) FW Missile Level D	+50 / -50 psf
3	Series 65/265 Vinyl Fixed Windows; New Construction; Individual and Mullled (O.O.O)	R-PG50 (133 X 72) FW Missile Level D	+50 / -50 psf
4	Series 65/265 Vinyl Fixed Windows; Replacement Construction; Individual and Mullled (O.O.O)	R-PG50 (133 X 72) FW Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	72" x 72"	66-1/2" x 66-1/2"
2	72" x 72"	66-1/2" x 66-1/2"
3	133" x 72"	38-3/4" x 66-5/8"
4	133" x 72"	38-3/4" x 66-5/8"

Product Identification (Certification Label on Window):

System		
1,2,3,4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	Series 65/265 Fixed Window E51/E53/E56/E57/E58/E59 E71/E73/E76/E77/E78/E79
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506 ASTM E1986-05 / ASTM E1996-05 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1,2,3,4	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 (FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber (Minimum)
	Fasteners	Minimum No. 8 x 1 5/8" wood screws (fin) Minimum No. 10 x 2 1/2" wood screws (frame)
	Fastener Location/Spacing	Drive fasteners (minimum No. 8 x 1 5/8" wood screws) through the nail fin around the entire window perimeter at 2" from each corner centerline and at 8" on center thereafter.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Installation:

System		
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 three fasteners through the window head and three fasteners through the window sill at 6" from each window frame corner and at the midpoint. Drive five fasteners through each window jamb at 6" and 23" from each window frame corner and at the midpoint.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
3 (FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Window Perimeter Fasteners	Minimum No. 8 x 1-5/8" drywall screws
	Window Perimeter 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.
	Mullion Clip Installation	Anchor the mullion at the top and bottom with mullion clips. Fasten each clip with two; No. 10 x 2-1/2" (minimum) wood screws.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
4 (NO FIN)	Type of Installation	Replacement Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Window Perimeter Fasteners	Minimum No. 10 x 2-1/2" wood screws
	Window Perimeter Fastener Location/Spacing	Drive fasteners through the head and sill at 6" from the corners of each single-hung window (12 total). Drive fasteners through the jambs at 6" from each end and at 20" on center thereafter.
	Mullion Clip Installation	Anchor the mullion at the top and bottom with mullion clips. Fasten each clip with two; No. 10 x 2-1/2" (minimum) wood screws.
	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.