

## Product Evaluation

WIN1334 | 1221

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-1334

**Effective Date:** December 1, 2021

**Re-evaluation Date:** August 2024

**Product Name:** Series 8100/1100/3100/10/1000/200 Vinyl Fixed Windows, Frame Installation, Non-Impact Resistant

**Manufacturer:** Atrium Companies, Inc.  
300 Welcome Center Blvd.  
Welcome, NC 27374  
(800) 542-9118 ext. 413596

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 8100/1100/3100/10/1000/200 Vinyl Fixed Windows	CW-PG50 (48 x 84)-FW FW-C50 (48 x 84)	+50 / -50 psf
2	Series 8100/1100/3100/10/1000/200 Vinyl Fixed Windows	CW-PG50 (72 x 72)-FW FW-C50 (72 x 72)	+50 / -50 psf

### Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	48" x 84"	42-3/4" x 78-3/4"
2	72" x 72"	66-7/8" x 66-7/8"



**Product Identification (Certification Label on Window):**

System		
1-2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies (Dallas, TX or Welcome, NC)
	Product Name	8100/1100/1000/10/3100/200 Picture Window; Finless Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,05

**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:****Frame Installation (System 1):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" wood screws. Along the head and sill, locate the screws approximately 4" from the corners and 20" on center thereafter. Along the side jambs, locate the screws approximately 4" from the corners and 15-5/8" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Frame Installation (System 2):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" wood screws spaced approximately 4" from each corner and 16" on center thereafter along the head, sill, and side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.