

Product Evaluation

WIN1655 | 0423

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-1655

Effective Date: April 1, 2023

Re-evaluation Date: December 2024

Product Name: Series "8900/90/8000/1800/3900" Vinyl Horizontal Sliding Windows, 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 "8900/90/8000/1800/3900" Horizontal Sliding Windows; XX	R-PG50 (72 x 48)-HS HS-R50 (72 x 48)	+50 / -50 psf
2	Series "8900/90/8000/1800/3900" Horizontal Sliding Windows; XX	R-PG35 (78 x 48)-HS HS-R35 (78 x 48)	+35 / -35 psf
3	Series "8900/90/8000/1800/3900" Horizontal Sliding Windows w/ Transom; XX	R-PG50 (72 x 90)-HS HS-R50 (72 x 90)	+50 / -50 psf
4	Series "8900/90/8000/1800/3900" Vinyl Horizontal Sliding Windows; XOX	R-PG50 (96 x 48)-HS HS-R50 (96 x 48)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	72" x 48"	34-11/16" x 44"	N/A
2	78" x 48"	37-11/16" x 43-11/16"	N/A
3	72" x 90"	34-11/16" x 48"	Transom: 66-5/8" x 36-1/4"
4	96" x 48"	31-3/8" x 44" (2)	28-7/16" x 40-7/8"

Product Identification (Certification Label on Window):

System		
1, 4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies (Welcome, NC)
	Product Name	8900/90/8000/1800/3900 Horizontal Sliding Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17,11
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies (Welcome, NC)
	Product Name	8900/90/8000/1800/3900 Muller Horizontal Sliding Window w/ Finless Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,05
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies (Welcome, NC)
	Product Name	8900/90/8000/1800/3900 Muller Horizontal Sliding Window w/ Transom & Fin Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17,11

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:**Frame Installation (Systems 1-2, 4)**

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. Locate the screws approximately 6" from each corner along the side jambs. Along the head, locate the screws approximately 6" from each corner and 24" on center. Along the sill, locate the screws approximately 30" from each corner. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 3):

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 side jambs of the slider windows, locate the screws approximately 6" from each corner and along the side jambs of the transom, locate the screws approximately 6" from each corner and at the midpoint. Along the head, locate the screws approximately 6" from each corner and 16" on center thereafter. Along the sill, locate the screws approximately 30" from each corner. The horizontal mullion is secured to the wall framing using an aluminum mullion clip (3.50" x 2.50" x 0.125"). Secure the clip to the wall framing at each end of the mullion using two minimum No. 10 x 2-1/2" wood screws. The clip slides into the horizontal mullion and is not secured with fasteners. 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