

## Product Evaluation

WIN653 | 0322

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-653

**Effective Date:** March 1, 2022

**Re-evaluation Date:** March 2026

**Product Name:** Series 5700/105/8050/3050/5/900/1050 Vinyl Single Hung Windows, Fin and Frame Installation, Non-Impact Resistant

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

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Vinyl Single Hung Windows; O/X	LC-PG50 36 x 96-H	+50 / -50 psf
2	Vinyl Single Hung Windows; O/X	LC-PG25 48 x 96-H	+25 / -25 psf
3	Vinyl Single Hung Windows; O/X	LC-PG30 44 x 96-H	+30 / -30 psf
4	Vinyl Single Hung Windows; CHS; Triple; O/X.O/X.O/X	LC-PG35 108 x 84-H	+35 / -35 psf
5	Vinyl Single Hung Windows; CHS; Triple; O/X.O/X.O/X	LC-PG50 108 x 72-H	+50 / -50 psf
6	Vinyl Single Hung Windows; CHS; Twin; O/X.O/X	LC-PG35 84 x 84-H	+35 / -35 psf

**General Description:**

System	Description	Label Rating	Design Pressure Rating
7	Vinyl Single Hung Windows; CHS; Twin; O/X.O/X	LC-PG35 96 x 72-H	+35 / -35 psf

**Product Dimensions:**

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	36" x 96"	34-1/8" x 41-7/8"	33-1/8" x 51-7/8"
2	48" x 96"	46-1/8" x 41-7/8"	45-3/8" x 51-5/16"
3	44" x 96"	42-1/4" x 41-7/8"	41-5/16" x 51-1/4"
4	108" x 84"	33-3/4" x 42-7/8"	33-3/16" x 39"
5	108" x 72"	33-3/4" x 36-3/16"	33-3/16" x 33"
6	84" x 84"	40" x 42-3/16"	39-3/16" x 38-15/16"
7	96" x 72"	46" x 36-1/4"	45-1/16" x 33"

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

System		
1-3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	5700/105/8050/3050/5/900/1050 Vinyl Single Hung Window w/Fin & Finless Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4-7	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	5700/105/8050/3050/5/900/1050 Vinyl CHS Single Hung Window w/Fin & Finless Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

System	Impact Resistant	Requirement
1-7	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

System		
1-7	Type of Installation	Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 8 pan head screws
	Fastener Location/Spacing	Located approximately 2" from each corner and 8" on center along the perimeter
	Fastener Penetration	Minimum 1-1/2" into the wall framing
1-3	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 10 x 2-1/2" screws
	Fastener Location/Spacing	<u>Side Jambs:</u> Located approximately 6" from each corner and 20" on center along each side jamb
	Fastener Penetration	Minimum 1-1/2" into the wall framing
4-5	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 10 x 2-1/2" screws
	Fastener Location/Spacing	Side Jambs: Located approximately 6" from each corner and 20" on center. Head and Sill: Located approximately 6" from each corner and 6" on either side of each intermediate mullion.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
6-7	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 10 x 2-1/2" screws
	Fastener Location/Spacing	Side Jambs: Located approximately 6" from each corner and 20" on center. Head: Located at the midspan of each window. Sill: None.
	Fastener Penetration	Minimum 1-1/2" into the 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 and the IBC.