TDI | Texas Department of Insurance

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Product Evaluation

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-2622

Effective Date: July 1, 2021
Re-evaluation Date: July 2025

Product Name: Vinyl Casement Operator Windows, Non-Impact Resistant

Manufacturer: Sierra Pacific Windows
575 South Whelen Ave.
Medford, WI 54451
(715) 748-2011

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Vinyl Casement Operator Windows; X	CW-PG50 (35.5 x 71.5)-C	+50 / -55 psf
2	Vinyl Casement Operator Windows; X	CW-PG50 (35.5 x 71.5)-C	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Sash Daylight Opening Size
1-2	35-1/2" x 71-1/2"	33-5/16" x 69-5/16"	29-13/16" x 65-13/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name	Sierra Pacific Windows
	Product Name	Vinyl Casement Operator
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17
2	Certification Agency	WDMA
	Manufacturer's Name	Sierra Pacific Windows
	Product Name	8500 Vinyl Casement Operator
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17

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:

System 1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing with minimum No. 8 x 2" PPH screws. Locate the screws approximately 6" from each corner and spaced 15" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing with minimum No. 8 x 2" PPH screws. Locate the screws approximately 8" from each corner along the side jambs. In addition, use 5/8" x 5/8" x 12" long pine furring strips spaced at the center of the head and sill, 12" from each corner and at the center of the side jambs at the interior and in the same locations except the sill on the exterior. Secure the strips to the wall framing with No. 7 x 1-5/8" wood screws spaced 1" from each end and at the center of each strip. The furring strip bite on the frame was 3/8" on all sides. 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.