

Product Evaluation

WIN2604 | 0421

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-2604

Effective Date: April 1, 2021

Re-evaluation Date: March 2025

Product Name: FeelSafe Aluminum Clad Wood Direct Glaze Fixed Windows, 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	FeelSafe Clad Wood Direct Glaze Fixed Windows; O	CW-PG65 (72 x 120)-FW Missile Level D	+65 / -70 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	72" x 120"	68-5/16" x 116-5/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Direct Glaze
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17 ASTM E1886-13a/E1996-14 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

Screw Through Frame: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing members with No. 10 x 3" PFH screws. Locate the screws approximately 7-1/2" from each corner and 15" on center along the side jambs. Along the head and sill, locate the screws approximately 6" from each corner and 15" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin Installation: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through the nailing fin. The nailing fin is secured to the wall framing with No. 8 PPH screws. Locate the screws approximately 3" from each corner and 8" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Clip Installation: The wood wall framing members must be Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing members with 20-gauge x 1-1/2" x 5" galvanized steel anchor straps. Secure the straps to the window frame with three (3) No. 6 x 5/8" PFH screws and to the wall framing with two (2) No. 8 PPH screws. Locate the straps approximately 7-1/2" from each corner and 15" on center along the side jambs. Along the head and sill, locate the straps approximately 6" from each corner and 15" on center. 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.