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-2298

Effective Date: August 1, 2022
Re-evaluation Date: January 2026

Product Name: FeelSafe H.3 Aluminum Clad Vinyl Wood Main Frame, Aluminum Clad Wood Sash, Double Hung Composite Windows with Transom Composite, Fin Installation, Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	FeelSafe H3 2.0 3-Wide Double Hung/Picture/Double Hung with Double Hung Transom	LC-PG50 (120 x 28)-FW LC-PG50 Span (119.5) x TW (49.75)-MA LC-PG50 (120 x 72)-H Missile Level D	+50 / -60 psf
2	FeelSafe H3 2.0 3-Wide Double Hung with 3-Wide Double Hung Transom	LC-PG50 (106 x 28)-FW LC-PG50 Span (105.5) x TW (49.75)-MA LC-PG50 (106 x 72)-H Missile Level D	+50 / -60 psf

Product Dimensions:

System	Overall Size	Sash Size
1	119-1/2" x 99-1/4"	Double Hung (Top/Bottom): 28-1/8" x 34-13/16" Picture: 54-1/8" x 68-5/8" Transom (Left/Right): 28-1/8" x 24-5/8" Transom (Center): 54-1/8" x 24-5/8"
2	105-1/2" x 99-1/4"	Double Hung (Top/Bottom): 32-1/8" x 34-13/16" Transom: 32-1/8" x 24-5/8"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe H3 2.0 Double Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13/E1996-14 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products have been tested for windborne debris resistance. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber using the integral nailing fin at the head, sill, and side jambs of the window frame. Secure the nailing fin to the wall framing with minimum No. 8 PPH screws. Locate the fasteners approximately 3" from each corner and approximately 4" on center. In addition, installation clips (galvanized steel, 20-gauge, 5"-8" long x 1-1/2" wide) are required. Locate one clip at each vertical mull post at the transom head and at each vertical mull post at the double hung sill. Secure the clip to the mull post with two No. 8 x 2-1/2" PH SS screws and to the wall framing with two No. 8 PPH screws. Locate one clip approximately 3" on each side of the horizontal mull location at each end. The installation clips are secured to the window frame with three No. 6 x 5/8" PFH screws and are secured to the wall framing with two No. 8 PPH screws. Use fasteners long enough to penetrate a minimum of 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.