

Product Evaluation

WIN2366 | 0519

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-2366

Effective Date: May 1, 2019

Re-evaluation Date: May 2023

Product Name: FeelSafe H3 2.0 Aluminum Clad Wood Direct Set Windows, Single and Mull, Fin and Frame Installation, 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 H3 2.0 Aluminum Clad Wood Direct Set Windows; Single	CW-PG50 43 x 53-FW Missile Level D	+50 / -60 psf
2	FeelSafe H3 2.0 Aluminum Clad Wood Direct Set Windows; Single	CW-PG50 45 x 84-FW Missile Level D	+50 / -60 psf
3	FeelSafe H3 2.0 Aluminum Clad Wood Direct Set Windows; Mull	CW-PG50 43 x 120-FW Missile Level D	+50 / -60 psf
4	FeelSafe H3 2.0 Aluminum Clad Wood Direct Set Windows; Mull	CW-PG50 64 x 105-FW Missile Level D	+50 / -60 psf

Product Dimensions:

System	Overall Size	Glass Daylight Opening Size
1	85-1/2" x 53-5/8"	39" x 49"
2	90" x 84"	41-5/16" x 80-5/16"
3	85-3/8" x 120"	38-7/8" x 116-5/16"
4	128" x 105"	60-5/16" x 101-5/16"

Product Identification (Certification Label on Window):

System		
1, 2, 3, 4	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe H3 2.0 Direct Set Single/Mull
	Test Standards	AAMA/WDAA/CSA 101/I.S.2/A440-11 ASTM E 1886-13a; ASTM E 1996-14 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System 1: The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the integral aluminum nailing fin with minimum No. 8 PPH SS screws. The fasteners are located approximately 1" to 3" from each corner and 7" to 8" on center along the perimeter of the window. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 2: The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the frame of the window with minimum No. 10 x 3" PFH SS screws. The fasteners are located approximately 6" from each corner and 15" to 21" on center along the perimeter of the window. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 3: The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the frame of the window with minimum No. 10 x 3" PFH SS screws. The fasteners are located approximately 6" from each corner and 15" to 17" on center along the perimeter of the window. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 4: The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the integral aluminum nailing flange with minimum No. 8 PPH SS screws. The fasteners are located approximately 2" to 3" from each corner and 7" to 8" on center along the perimeter of the window. In addition, the assembly is secure to the wall framing with masonry clips (5.00" x 1-1/2" x 20-gauge galvanized steel). One clip is required approximately 3" and 6" on each side of the mull jamb at the head and the sill. The clip is secured to wall framing with two (2) No. 8 PPH SS screws. The clip is secured to the window frame with three (3) No. 7 x 5/8" PH screws. All fasteners must be 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, the IBC, and the Texas Revisions.