

Product Evaluation

DR997 | 1020

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: DR-997

Effective Date: October 1, 2020

Re-evaluation Date: October 2024

Product Name: FeelSafe Aluminum Clad Wood Glazed Outswing Fixed Doors, 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 Clad Wood Glazed Outswing Fixed Door, O	LC-PG65 (76 x 99)-FD Missile Level D	+65 / -70 psf
2	FeelSafe Clad Wood Glazed Outswing Full Radius Fixed Door	LC-PG65 (38 x 123)-FD Missile Level D	+65 / -90 psf

Product Dimensions:

System	Overall Size	Door Panel Size	Door Panel Glass Daylight Opening Size
1	75-1/2" x 98-1/2"	35-15/16" x 96"	27" x 84-1/4"
2	38-7/16" x 122-1/2"	35-7/8" x 120"	27" x 108-1/8"

Product Identification (Certification Label on Door):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Outswing Fixed Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17 ASTM E1886-13a/ E1996-14; Missile Level D
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Outswing Full Radius Fixed Door
	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
1-2	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:**

Fin Installation: The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing using the aluminum nailing flange located at the head and side jambs. Secure the nailing flange to the wall framing with minimum No. 8 PPH screws. The fasteners are located approximately 5" from each corner and 8" on center. Secure the sill to the wall framing with No. 10 x 3" PFH screws located approximately 3" from the corners and 15-1/2" on center. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Frame-Clip Installation: The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing at the head and the side jambs using the door frame. The door frame is secured to the wall framing with steel installation clips (minimum 20-gauge x 1-1/2" wide x 8" long). Locate the clips approximately 6" from the corners and 15" on center. The clips are secured to the door frame with two (2) No. 6 x 1/2" screws and to the wall framing with two (2) No. 8 screws. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 2

Fin Installation: The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing using the aluminum nailing flange located at the head and side jambs. Secure the nailing flange to the wall framing with minimum No. 8 PPH screws. The fasteners are located approximately 2"-3" from each corner and 8" on center. Secure the sill to the wall framing with No. 10 x 3" PFH screws located approximately 4" from the corners and 15" (max.) on center. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Frame-Clip Installation: The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing at the head and the side jambs using the door frame. The door frame is secured to the wall framing with metal installation clips (minimum 20-gauge x 1-1/2" wide x 8" long). Locate the clips approximately 6" from the corners and 15" on center along the head and side jambs. Along the sill, place on clip at the centerline. The clips are secured to the door frame with two (2) No. 6 x 1/2" screws and to the wall framing with two (2) No. 8 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.