

Product Evaluation

WIN2364 | 0221

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-2364

Effective Date: February 1, 2021

Re-evaluation Date: January 2025

Product Name: FeelSafe Aluminum Clad Wood Pushout Casement Windows, Single and Mullered Combinations, 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 Pushout Casement Picture/Operator/Operator Mullered Windows; 3-Wide	CW-PG65 Span (84.19) x TW (44.5)-MA Missile Level D	+65 / -70 psf
2	FeelSafe 2-Wide Mullered Casement Operator w/ Direct Set Stack	CW-PG65 Span (72.63) x TW (73.25)-MA Missile Level D	+65 / -70 psf
3	FeelSafe Clad Wood Pushout Casement/Picture Mullered Windows	CW-PG65 Span (84.19) x TW (36.19)-MA Missile Level D	+65 / -70 psf

General Description continued:

System	Description	Label Rating	Design Pressure Rating
4	FeelSafe Pushout Casement Windows Muller; 2-wide	CW-PG65 Span (72.19) x TW (36.19)-MA Missile Level D	+65 / -70 psf
5	FeelSafe 3-wide Casement Windows w/ 3-wide Transom Windows	CW-PG50 Span (108.5) x TW (52.5)-MA Missile Level D	+50 / -50 psf
6	FeelSafe French Pushout Casement Windows	LC-PG55 (72.38 x 72.19)-C Missile Level D	+55 / -55 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Casement Picture Sash Size
1, 3	125-3/8" x 84-3/16"	34-5/8" x 82-5/8"	50-5/8" x 82-1/4"

Product Dimensions:

System	Overall Size	Operable Sash Size	Direct Set Sash Size
2	72-5/8" x 146-3/8"	34-5/8" x 82-5/8"	72-5/8" x 62"

Product Dimensions:

System	Overall Size	Operable Sash Size
4	72-3/8" x 72-3/16"	34-5/8" x 70-5/8"

Product Dimensions:

System	Overall Size	Operable Sash Size	Transom Sash Size
5	108-1/2" x 104-3/4"	34-5/8" x 70-5/8"	34-5/8" x 30-5/8"

Product Dimensions:

System	Overall Size	Operable Sash Size
6	72-3/8" x 72-3/16"	34-9/16" x 70-3/4"

Product Identification (Certification Label on Window):

System		
1-3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Aluminum Clad Casement Muller Combination
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-14 Missile Level D

Product Identification (Certification Label on Window) - continued:

System		
4	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Aluminum Clad Pushout Casement Single/Mulled
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-14 Missile Level D
5	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Aluminum Clad Pushout Casement/Fixed Muller Combination
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-14 Missile Level D
6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Aluminum Clad French Pushout Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-14 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-6	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:

Systems 1, 3-4, 6: The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the applied aluminum nailing flange with minimum No. 8 PPH SS screws. The fasteners are located approximately 2" to 3" from each corner and 6" 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 2-3: The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the window frame with minimum No. 10 x 3" PPH SS screws. The fasteners are located approximately 6" from each corner at the head, sill, and side jambs. Along the head and side jambs, the fasteners are spaced approximately 15" to 21" on center. At the sill, a fastener is located at the mid span of each operating casement.

At the vertical and horizontal mull, locate fasteners approximately 3" and 6" on either side of the mull. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 5: The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the applied aluminum nailing flange with minimum No. 8 PPH SS screws. The fasteners are located approximately 2" to 4" from each corner and 8" to 10" on center along the perimeter of the window. At the vertical and horizontal mull, locate minimum No. 10 x 3" PFH SS screws through the frame approximately 3" and 6" on either side of the mull. 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 and the IBC.