

## Product Evaluation

WIN2213 | 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-2213

**Effective Date:** February 1, 2021

**Re-evaluation Date:** February 2025

**Product Name:** A-Series Fiberglass Clad Wood Casement Windows with Stormwatch Protection, Impact Resistant

**Manufacturer:** Andersen Windows and Doors  
100 Fourth Avenue North  
Bayport, MN 55003  
(651) 264-5308

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	A-Series Clad Wood Casement Windows	LC-PG70 (35.3 x 71.3) Missile Level D	+70 / -70 psf
2	A-Series Clad Wood Casement Windows	LC-PG70 (35.3 x 71.3) Missile Level D	+70 / -70 psf
3	A-Series Clad Wood Casement Windows	LC-PG50 (41.3 x 95.3) Missile Level D	+50 / -50 psf
4	A-Series Clad Wood Casement Windows	LC-PG50 (41.3 x 95.3) Missile Level D	+50 / -50 psf
5	A-Series Clad Wood Casement Windows	LC-PG50 (47.3 x 47.3) Missile Level D	+50 / -50 psf

**General Description (continued):**

System	Description	Label Rating	Design Pressure Rating
6	A-Series Clad Wood Casement Windows	LC-PG50 (47.3 x 47.3) Missile Level D	+50 / -50 psf
7	A-Series Clad Wood Casement Windows	LC-PG50 (47.3 x 79.3) Missile Level D	+50 / -50 psf
8	A-Series Clad Wood Casement Windows	LC-PG50 (45.3 x 87.3) Missile Level D	+50 / -50 psf
9	A-Series Clad Wood Casement Windows	LC-PG50 (45.3 x 87.3) Missile Level D	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Operable Sash Size	Sash Daylight Opening Size
1-2	35-1/4" x 74-1/4"	33-1/4" x 69-1/4"	25-5/8" x 64-3/4"
3-4	41-1/4" x 95-1/4"	39-1/4" x 93-1/4"	34-9/16" x 87-13/16"
5-6	47-1/4" x 47-1/4"	45-1/4" x 45-1/4"	40-9/16" x 39-13/16"
7	47-1/4" x 79-1/4"	45-1/4" x 77-1/4"	40-9/16" x 71-13/16"
8-9	45-1/4" x 87-1/4"	43-1/4" x 85-1/4"	38-9/16" x 79-13/16"

**Product Identification (Certification Label on Window):**

System		
1, 3, 5, 8	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	A-Series Casement Window; Impact Resistant; Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13/E1996-14; Missile Level D
2, 4, 6-7, 9	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	A-Series Casement Window; Impact Resistant
	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
1-9	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 1-2:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using 1-1/2" x 6-3/8" x 0.024" stainless steel installation clips. Secure the clips to the window frame with two (2) No. 8 x 5/8" screws and to the wall framing with two (2) No. 8 x 1-1/2" screws. Locate the clips at the center of the head and sill. Along the side jambs, locate the clips approximately 12" from each corner and at the mid-span. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 3-4:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing members using a nailing fin. The nailing fin is secured to the wall framing with No. 6 x 1-1/4" screws. Locate the screws approximately 3" from each corner and 3" on center along the perimeter. In addition, use No. 10 x 3" screws along the side jambs located 12" from each corner and one at the midspan. Also, secure 1-1/2" x 6-3/8" x 0.024" stainless steel installation clips along the perimeter. Secure the clips to the window frame with two (2) No. 8 x 5/8" screws and to the wall framing with two (2) No. 6 x 1-5/8" screws. Locate the clips approximately 12" from each corner along the head and sill. Along the side jambs, locate the clips approximately 12" from each corner and 24" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 5-6:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using No. 6 x 1-5/8" screws. Locate the screws approximately 4" from each corner and 6" on center along the perimeter. In addition, use 1-1/2" x 6-3/8" x 0.024" stainless steel installation clips along the perimeter located approximately 12" from each corner. Secure the clips to the window frame with two (2) No. 8 x 5/8" screws and to the wall framing with two (2) No. 6 x 1-5/8" screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**System 7:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using No. 6 x 1-5/8" screws. Locate the screws approximately 4" from each corner and 6" on center along the perimeter. In addition, use 1-1/2" x 6-3/8" x 0.024" stainless steel installation clips along the perimeter. Secure the clips to the window frame with two (2) No. 8 x 5/8" screws and to the wall framing with two (2) No. 6 x 1-5/8" screws. Along the head and sill, locate the clips 12" from each corner. Along the side jambs, locate the clips approximately 12" from each corner, and 30-7/16" and 48-13/16" from the sill. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 8-9:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing members using a nailing fin. The nailing fin is secured to the wall framing with No. 6 x 1-1/4" screws. Locate the screws approximately 3" from each corner and 3" on center along the perimeter. In addition, use No. 10 x 3" screws along the side jambs located 21" from each corner and one at the midspan. Also,

secure 1-1/2" x 6-3/8" x 0.024" stainless steel installation clips along the perimeter. Secure the clips to the window frame with two (2) No. 8 x 5/8" screws and to the wall framing with two (2) No. 6 x 1-5/8" screws. Locate the clips approximately 12" from each corner along the head and sill. Along the side jambs, locate the clips approximately 12" from each corner and 21" 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.