

Product Evaluation

WIN2116 | 1120

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-2116

Effective Date: November 1, 2020

Re-evaluation Date: May 2023

Product Name: Series 400 Vinyl Clad Wood Awning Windows with Stormwatch Protection, Frame Installation, Impact Resistant

Manufacturer: Andersen Corporation
100 Fourth Avenue North
Bayport, MN 55003
(651) 264-5150

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 400 Vinyl Clad Wood Awning Windows	LC-PG70 (59.3 x 31.5) Missile Level D	+70 / -70 psf
2	Series 400 Vinyl Clad Wood Awning Windows	LC-PG60 (84.5 x 31.5) Missile Level D	+60 / -65 psf
3	Series 400 Vinyl Clad Wood Awning Windows	LC-PG60 (35.9 x 71.9) Missile Level D	+60 / -65 psf

Product Dimensions:

System	Overall Size	Operable Sash Size
1	59-7/8" x 31-1/2"	58-5/16" x 30-11/32"
2	84-5/8" x 31-1/2"	26-13/16" x 30-3/8"

Product Dimensions:

System	Overall Size	Operable Sash Size
3	35-15/16" x 71-7/8"	34-3/8" x 22-15/16"

Product Identification (Certification Label on Window):

System		
1-3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	400 Series Awning Window with Stormwatch Protection
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886/E1996-05 (System 1) ASTM E1886-13/E1996-14 (Systems 2-3) Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-3	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:

System 1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing with steel installation clips (1-1/4" x 9" x 0.030"). Secure the clips to the window frame with two (2) No. 8 x 1" screws and to the wall framing with two (2) No. 8 x 1-1/2" screws. Locate the clips approximately 12" from each corner and one (1) at the midspan along the head and sill, and 12" from each corner along the side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing with jamb clips (1-1/2" x 3"). Secure the clips to the window frame with two (2) No. 8 x 1" screws and to the wall framing with two (2) No. 6 x 1-5/8" screws. Locate the clips approximately 12" and 32" from each corner along the head and sill, and one (1) clip centered along the side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 3: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing with jamb clips (1-1/2" x 3"). Secure the clips to the window frame with two (2) No. 8 x 1" screws and to the wall framing with two (2) No. 6 x 1-5/8" screws. Locate the clips approximately 4" from each corner along the head and sill, and 4" from each corner and on center along the side jambs. 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.