TDI | Texas Department of Insurance

PO Box 12030 | Austin, TX 78711 | 800-578-4677 | tdi.texas.gov

Product Evaluation

WIN180 | 0521 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-180

Effective Date: May 1, 2021
Re-evaluation Date: March 2024

Product Name: 400 Series Vinyl Clad Wood Tilt Wash Double Hung Picture and Transom Windows, Impact Resistant

Manufacturer: Andersen Corporation
100 Fourth Avenue North
Bayport, MN 55003-1096
(651) 264-5308

General Description:

System	Description	Label Rating	Design Pressure Rating
1	400 Series Tilt Wash Double Hung Picture Window; O	LC-PG50 (67.4 x 76.9) Missile Level D	+50 / -65 psf
2	400 Series Tilt Wash Double Hung Circle Top Picture Window; O	SP-PG70 (75.4 x 40) Missile Level D	+70 / -70 psf
3	400 Series Tilt Wash Double Hung Transom Window; O	LC-PG50 (75.3 x 39.3) Missile Level D	+50 / -60 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	67-3/8" x 76-7/8"	62-3/8" x 69-3/8"
2	75-3/8" x 40"	69-3/4" x 34-3/4"
3	75-1/4" x 39-1/4"	69-1/4" x 32-1/2"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	400 Series Tilt Wash Double Hung Picture Window; Impact Resistant
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12; Missile Level D
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	400 Series Specialty Window-Circle Top Narrowline; Impact Resistant
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12; Missile Level D
3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	400 Series Tilt Wash Double Hung Transom Window; Impact Resistant
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

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 1-1/2" x 3" x 0.024" Andersen galvanized steel installation clips. Secure the clips to the window frame with two (2) No. 8 x 1-1/4" SS screws and to the wall framing with two (2) No. 6 x 1-5/8" drywall screws. Along the head and sill, locate the clips approximately 6" from each corner and 18" on center. Locate the clips approximately 6" from each corner and 16" on center 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 Andersen galvanized steel installation clips (1-1/2" x 6-3/8" x 0.024). Secure the clips to the window frame with two (2) No. 8 x 1" SS PH screws and to the wall framing with two (2) No. 6 drywall screws. Along the sill, locate the clips approximately 6" from each corner and 22" on center. Along the radius top, locate the clips approximately 6" 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.

System 3: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured to the wall framing with No. 6 x 1-5/8" screws. Locate the screws approximately 2" from each corner and 7" on center. In addition, 1-1/2" x 6-3/8" x 0.024" galvanized steel installation clips were used along the perimeter. Secure the clips to the window frame with two (2) No. 8 x 5/8" SS PH screws and to the wall framing with two (2) No. 6 x 1-5/8" drywall screws. Locate the clips approximately 6" from each corner and one at the midspan along the side jambs. Along the head and sill, locate the clips approximately 16" from each corner. 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.