



# Product Evaluation

WIN1990 | 0515

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-1990

**Effective Date:** May 1, 2015

**Re-evaluation Date:** July 2016

**Product Name:** 400 Series Vinyl Clad Wood Casement Windows, Impact Resistant

**Manufacturer:** Andersen Windows and Doors  
100 Fourth Avenue North  
Bayport, MN 55003-1096  
(651) 264-5150

## General Description:

System	Description	Label Rating	Design Pressure Rating
1	400 Series Vinyl Clad Wood Casement Windows	LC-PG70 31 x 71 C-LC70 31 x 71 Missile Level D	+70 / -70 psf
2	400 Series Vinyl Clad Wood Casement Windows	LC-PG70 35 x 52 C-LC70 35 x 52 Missile Level D	+70 / -70 psf
3	400 Series Vinyl Clad Wood Casement Windows; OXO	LC-PG70 71 x 59 C-LC70 71 x 59 Missile Level D	+70 / -70 psf
4	400 Series Vinyl Clad Wood Casement Windows; XO	LC-PG70 56.5 x 59.9 LC-LC70 56.5 x 59.9 Missile Level D	+70 / -70 psf

**Product Dimensions:**

System	Overall Size	Sash Size	Daylight Opening Size
1	31-1/2" x 71-7/8"	30-11/32" x 70-5/16"	27-1/8" x 67-1/16"
2	35-5/16" x 52-7/8"	34-1/2" x 51-1/4"	31-1/2" x 47-7/8"
3	71-7/8" x 59-7/8"	Three (3): 22-31/32" x 58-5/16"	Three (3): 19-3/4" x 55-1/16"
4	56-1/2" x 59-7/8"	Two (2): 27-1/4" x 58-1/4"	Two (2): 23-15/16" x 54-15/16"

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

System		
1, 2, 3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	400 Series Casement Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-02, ASTM E 1996-02; Missile Level D
4	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	400 Series Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-02, ASTM E 1996-02; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2, 3, 4	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 assemblies' design pressure rating.

**Installation:**

System		
1, 2, 3, 4	Type of Installation	Install the windows in accordance with Drawing No. AWD059, titled "Perma Shield Casement-Impact," sheets 1 through 6 of 6, dated August 2, 2012, Revision A, dated September 26, 2014, signed and sealed by Alexis Spyrou, P.E on March 30, 2015.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

**Note:** Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.