

Product Evaluation

WIN1736 | 0920

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-1736

Effective Date: September 1, 2020

Re-evaluation Date: September 2024

Product Name: E-Series Aluminum Clad Wood Awning Windows, Impact Resistant

Manufacturer: Andersen Corporation
2045 Kerper Blvd.
Dubuque, IA 52001
(800) 324-5354

General Description:

System	Description	Label Rating	Design Pressure Rating
1	E-Series Clad Wood Awning Windows; Mono; Model 4030	CW-PG70 (48 x 36) Missile Level D	+70 / -80 psf
2	E-Series Clad Wood Awning Windows; IG; Model 4030	CW-PG70 (48 x 36) Missile Level D	+70 / -80 psf
3	E-Series Clad Wood Awning Windows; Mono; Model 4050	CW-PG65 (48 x 60) Missile Level D	+65 / -70 psf
4	E-Series Clad Wood Awning Windows; IG; Model 4050	CW-PG65 (48 x 60) Missile Level D	+65 / -70 psf
5	E-Series Clad Wood Awning Windows; Mono; Model 4056	CW-PG65 (48 x 66) Missile Level D	+65 / -65 psf
6	E-Series Clad Wood Awning Windows; IG; Model 4056	CW-PG65 (48 x 66) Missile Level D	+65 / -65 psf

Product Dimensions:

System	Overall Size	Operable Sash Size
1-2	48" x 36"	46-1/2" x 34-1/2"
3-4	48" x 60"	46-1/2" x 58-1/2"
5-6	48" x 66"	46-1/2" x 64-1/2"

Product Identification (Certification Label on Window):

System		
1, 3, 5	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	E-Series Awning Window; Impact Resistant; Mono
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-14a; Missile Level D
2, 4, 6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	E-Series Awning Window; Impact Resistant; IG
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-14a; 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:

Nail Fin Installation: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a nailing flange. The nailing fin is secured to the window frame using No. 8 screws and to the wall framing using 2" long, minimum 11-gauge, smooth shank roofing nails. Locate the nails approximately 3" from each corner and spaced 12" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Installation Straps: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using steel installation straps (1-1/4" x 9" x 0.030"). Secure the straps to the window frame using two No. 8 screws and to the wall framing using two 2" long, minimum 11-gauge, smooth shank roofing nails. Locate the clips approximately 6" from each corner and spaced 24" on center along each side jamb, and 6" from each corner along the head and sill. 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.