

Product Evaluation

DR609 | 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: DR-609

Effective Date: September 1, 2020

Re-evaluation Date: September 2023

Product Name: E-Series Aluminum Clad Wood Outswing Side Hinged Patio Doors, 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 Aluminum Clad Wood Outswing Side Hinged Doors; Mono	LC-PG65 (72.1 x 95.3) Missile Level D	+65 / -75 psf
2	E-Series Aluminum Clad Wood Outswing Side Hinged Doors, IG	LC-PG65 (72.1 x 95.3) Missile Level D	+65 / -75 psf

Product Dimensions:

System	Overall Size	Panel Size	Panel Daylight Opening Size
1-2	72-1/16" x 95-5/16"	Active: 34-3/4" x 93-1/4" Passive: 35-1/2" x 93-1/4"	25-1/4" x 80-1/2"

Components and Hardware:

- **Hinges:** Six (6) required; secure to the door panel with four No. 12 x 1-1/2" screws and to the door jamb with two No. 12 x 1-1/2" and two No. 10 x 2-1/2" screws
- **Andersen 3-point locking mechanism:** One (1) required.
- **Latch and Deadbolt strike plates:** One (1) each required; secure with three No. 8 x 1-1/2" screws
- **Shoot bolts with locking handle:** One (1) required
- **Shoot bolt strike plates:** One (1) required at both head and sill; secure with two No. 8 x 2-1/2" screws.
- **Manual surface bolts:** Two (2) required

Product Identification (Certification Label on Door):

System		
1	Certification agency	WDMA
	Manufacturer's name or code name	Andersen Corporation
	Product name	E-Series Hinged Patio Door-Outswing, Impact Resistant, Mono
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-02 Missile Level D
2	Certification agency	WDMA
	Manufacturer's name or code name	Andersen Corporation
	Product name	E-Series Hinged Patio Door-Outswing, Impact Resistant, IG
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-02 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	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:

Installation Straps: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using steel installation straps (1-5/8" x 12" x 0.04"). Locate the straps approximately 6" from each corner and spaced 20" on center along the head and side jambs. Secure each strap to the door frame with two No. 8 screws and to the wall framing with four 1-1/2" long, minimum 11-gauge, smooth shank roofing nails. The sill is secured with two No. 8 x 2-1/2" screws located approximately 6" from each corner. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using an aluminum nailing fin. The nailing fin is secured to the wall framing using 1-1/2" long, minimum 11-gauge, smooth shank roofing nails located 3" from each corner and spaced 12" on center along the head and side jambs. The sill is secured with two No. 8 x 2-1/2" screws located approximately 6" 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.