

Product Evaluation

DR361 | 0520

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-361

Effective Date: May 1, 2020

Re-evaluation Date: May 2024

Product Name: E-Series Aluminum Clad Wood French Inswing 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 Clad Wood French Inswing Hinged Patio Doors; Single	LC-PG45 (36.5 x 96) Missile Level D	+45 / -65 psf
2	E-Series Clad Wood French Inswing Hinged Patio Doors; Double	LC-PG45 (72 x 96) Missile Level D	+45 / -65 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	36-1/2" x 96"	34-11/16" x 93-3/16"	25-5/16" x 80-1/2"
2	72" x 96"	34-11/16" x 93-3/16"	25-1/4" x 80"

Components and Hardware:

System 1-2:

- **Hinges:** Secure to the door panel with four (4) No. 10 x 1-1/2" screws; secure to the door jamb with two (2) No. 10 x 1-1/2" screws and two (2) No. 10 x 2-1/2" screws
 - Three (3) required for System 1
 - Six (6) required for System 2
- **Andersen 3-point Locking Mechanism:** One (1) required.
- **Latch and Deadbolt Strike Plate:** One (1) required.
- **Top and Bottom Shoot Bolts (System 2):** Passive door

Product Identification (Certification Label on Door):

System		
1-2	Certification agency	WDMA
	Manufacturer's name or code name	Andersen Corporation
	Product name	E-Series Hinged Patio Door-Outswing, 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
1-2	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:

Nail Fin Installation (System 1):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using minimum 2" long smooth shank roofing nails. Locate the nails approximately 3" from each corner and spaced 12" on center along the head and side jambs. No fasteners at the sill. Secure the strike plates to the lock jamb with minimum No. 10 x 2-1/2" screws. Use two (2) screws for the upper and lower strike plate and three (3) screws for the middle strike plate. Each hinge was secured with two minimum No. 10 x 2-1/2" screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin Installation (System 2):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using minimum 2" long smooth shank roofing nails. Locate the nails approximately 3" from each corner and spaced 12" on center along the head and side jambs. No fasteners at the

sill. Use two (2) No. 8 x 2-1/2" screws for the upper and lower strike plate and three (3) No. 8 x 2-1/2" screws for the middle strike plate. Secure the head strike plate with two (2) minimum No. 8 x 2-1/2" screws. Secure each hinge with two (2) minimum No. 10 x 2-1/2" screws. 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.