

Product Evaluation

DR593 | 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-593

Effective Date: May 1, 2020

Re-evaluation Date: April 2024

Product Name: E-Series Aluminum Clad Wood Inswing Side Hinged Patio Doors, Frame Installation, Non-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 Inswing Side Hinged Patio Doors (XX)	LC-PG35 (79 x 96)	+35 / -35 psf
2	E-Series Clad Wood Inswing Side Hinged Patio Doors (XX)	LC-PG40 (79 x 96)	+40 / -40 psf
3	E-Series Clad Wood Inswing Side Hinged Patio Doors (XX)	LC-PG30 (79 x 102)	+30 / -30 psf
4	E-Series Clad Wood Inswing Side Hinged Patio Doors (XX)	LC-PG35 (79 x 120)	+35 / -35 psf

Product Dimensions:

System	Overall Size	Operable / Passive Panel Size	Panel Daylight Opening Size
1	79" x 96"	38-3/16" x 93-3/16"	28-13/16" x 80-1/2"
2	79" x 96"	38-3/16" x 93-3/16"	28-3/4" x 83-3/4"
3	79" x 102"	38-3/16" x 99-3/16"	28-3/4" x 89-3/4"
4	79" x 120"	38-3/16" x 117-3/16"	28-13/16" x 104-1/2"

Components and Hardware:**System 1, 4:**

- **Hinges:** Eight (8) required; four per panel; Secured to the door panel with four (4) No. 10 x 1-1/2" screws; Secured to the door jamb with two (2) No. 10 x 1-1/2" screws and two (2) No. 10 x 2-1/2" screws.
- **Andersen 3-point Assembly with Deadbolt and Handle:** One (1) required.
- **Shoot Bolt with Lever:** One (1) required on the passive panel.

System 2-3:

- **Hinges:** Six (6) required; three per panel; Secured to the door panel with four (4) No. 10 x 1-1/2" screws; Secured to the door jamb with two (2) No. 10 x 1-1/2" screws and two (2) No. 10 x 2-1/2" screws.
- **Andersen 3-point Lock and Deadbolt:** One (1) required.
- **Andersen Passive Lock Assembly:** One (1) required; shoot bolts at top and bottom; located on passive panel

Product Identification (Certification Label on Door):

System		
1-4	Certification agency	WDMA
	Manufacturer's name or code name	Andersen Corporation
	Product name	E-Series Hinged Patio Door-Inswing
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:**Frame Installation (System 1, 4):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing by setting fasteners through the hinges and strike plates. Secure each hinge with two (2) minimum No. 10 x 2-1/2" screws. Secure the head jamb with two

(2) minimum No. 8 x 2-1/2" screws through the strike plate. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 2-3):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using minimum No. 8 x 2-1/2" screws located along the side jambs approximately 10" from the sill and spaced 25" on center, totaling four (4) screws per jamb. Secure each hinge plate with two (2) No. 10 x 2-1/2" screws. Secure the lock receivers with two (2) No. 8 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.