TDI | Texas Department of Insurance

PO Box 149104 | Austin, TX 78714 | 1-800-578-4677 | tdi.texas.gov

Product Evaluation

DR598 | 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-598

Effective Date: May 1, 2020
Re-evaluation Date: December 2023

Product Name: E-Series Aluminum Clad Wood Glazed Outswing 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 Glazed Outswing Hinged Patio Doors; Mono	LC-PG65 (36 x 95) Missile Level D	+65 / -75 psf
2	E-Series Clad Wood Glazed Outswing Hinged Patio Doors; IG	LC-PG65 (36 x 95) Missile Level D	+65 / -75 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Panel Daylight Opening Size
1-2	36-1/2" x 95-5/16"	34-3/4" x 93-1/4"	25-1/4" x 80-1/2"

Components and Hardware:

- **Hinges:** Three (3) required; secured to the door panel with four (4) No. 12 x 1-1/2" screws; secure to the door jamb with two (2) No. 12 x 1-1/2" and with two (2) No. 10 x 2-1/2" screws
- **Andersen 3-point Locking Mechanism:** One (1) required
- **Latch and Deadbolt Strike Plates**: One (1) required; secure with three No. 8 x 1-1/2" screws.

Product Identification (Certification Label on Door):

System		
1	Certification agency	WDMA
	Manufacturer's name or code name	Andersen Corporation
	Product name	E-Series Hinged Outswing Patio Door, 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 Outswing Patio Door, 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 (One of the Following):

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 the straps to the door frame using two (2) No. 8 screws and to the wall framing using four (4) 1-1/2" smooth shank galvanized roofing nails. Secure each hinge with two (2) No. 10 x 2-1/2" screws. Install two (2) No. 8 x 2-1/2" screws at the sill approximately 6" from each corner and 6" on each side of the mullion. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin Installation:

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 minimum 12-gauge smooth shank roofing nails. Locate the nails approximately 3" from each corner and spaced 12" on center along the head and side jambs. Secure each hinge with two (2) No. 10 x 2-1/2" screws. Install two (2) No. 8 x 2-1/2" screws at the sill approximately 6" from each corner and 6" on each side of the mullion. 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.