

Product Evaluation

DR1141 | 0221

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-1141

Effective Date: February 1, 2021

Re-evaluation Date: February 2025

Product Name: Contemporary Aluminum Clad Wood Outswing Folding Doors with Stormwatch Protection, Impact Resistant

Manufacturer: Andersen Corporation
71 Second St.
Strathroy, ON
N7G 3H8 Canada

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Contemporary Clad Wood Outswing Folding Doors; 4R	CW-PG50 (146.6 x 119.5)	+50 / -50 psf
2	Contemporary Clad Wood Outswing Folding Doors; 3L-3R	CW-PG50 (220.1 x 119.5)	+50 / -50 psf
3	Contemporary Clad Wood Outswing Folding Doors; 4L-2R	CW-PG50 (219.3 x 119.5)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Panel Daylight Opening Size
1	146-5/8" x 119-1/2"	36" x 115-5/32" (4)	Panel 1-4: 28-5/8" x 107-25/32"
2	220-1/8" x 119-1/2"	36" x 115-5/32" (6)	Panel 1-2, 5: 28-5/8" x 83-3/32" Panel 3-4: 28-5/8" x 107-25/32" Panel 6: 28-5/8" x 96-1/2"
3	219-5/16" x 119-1/2"	36" x 115-5/32" (6)	Panel 1-2, 4: 28-5/8" x 83-3/32" Panel 3, 5-6: 28-5/8" x 107-25/32"

Components and Hardware:

- **Top End Carrier:** one required; located on panel 1 at the top of left stile; secure with No. 10 x 1-1/2" flat head screws, install outside screws first (Systems 1, 3)
- **Bottom End Carrier:** one required; located on panel 1 at the bottom of left stile; secure with No. 10 x 1-1/2" flat head screws, install outside screws first (Systems 1, 3)
- **Offset Hinges:** six required; secure with No. 10 x 1-1/2" flat head screws
- **Top Intermediate Carrier:** one required; panel 2 right stile to panel 3 left stile, at the top; secure with No. 10 x 1-1/2" flat head screws, install outside screws first
- **Flat Hinge:** one required; secure with No. 10 x 1-1/2" flat head screws
- **Bottom Intermediate Carrier:** panel 2 right stile to panel 3 left stile, at the bottom; secure with No. 10 x 1-1/2" flat head screws, install outside screws first
- **Top Pivot Block:** one required; located on panel 4 right stile, at the top; secure with No. 10x 1-1/2" flat head screws
- **Wall Pivot:** one required; located on panel 4 right stile, at the midspan; secure with No. 10 x 1-1/2" flat head screws
- **Bottom Pivot Block:** one required; located on panel 4 right stile, at the bottom; secure with No. 10 x 1-1/2" pan head screws
- **Shoot Bolts:** four required; located on panel 2 left stile and panel 4 left stile, top and bottom of the stiles
- **Multipoint Lock Assembly with Deadbolt:** one required

Product Identification (Certification Label on Door):

System		
1-3	Certification agency	WDMA
	Manufacturer's name or code name	Andersen Corporation
	Product name	Contemporary Clad Folding Outswing Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-17 ASTM E1886-13a/E1996-14a Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-3	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:

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with a nailing fin. The nailing fin is secured to the wall framing using 1-3/4" long, minimum 11-gauge, smooth shank galvanized roofing nails. Locate the nails along the head and side jambs approximately 4" from each corner and spaced 7" on center. In addition, secure 1-1/2" x 6-3/8" x 24-gauge stainless steel installation clips to the head and sides. Secure the clips to the door frame with two (2) No. 8 x 3/4" screws and to the wall framing with one (1) No. 10 x 1-3/4" screw. Locate the clips approximately 6" from each corner and spaced 24" on center. Along the head, secure No. 12 x 3-1/2" SS screws through the head track into the wall framing. Five (5) screws within 16" of the end, where the panel stack when opened, and spaced 16" on center thereafter. Along the side jambs, secure two (2) No. 10 x 2-1/2" screws through each wall pivot cup into the wall framing. Secure the sill with sill clips using four (4) No. 10 x 1-3/4" SS screws. Locate the clips approximately 4" from each corner and spaced 24" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

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.