



Product Evaluation

DR597 | 1215

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-597

Effective Date: December 1, 2015

Re-evaluation Date: May 2016

Product Name: E-Series, Series 05 Ascent Aluminum Clad Wood Inswing Hinged Single Patio Doors, Non-Impact Resistant

Manufacturer: Eagle Window & Door, Inc.
2045 Kerper Blvd
Dubuque, IA 52001
(800) 324-5354

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 05 Aluminum Clad Wood Inswing French Doors (X)	SHD-C45 (40 X 102) CW-PG45 (40 x 102) SHD	+45/-45 psf
2	Series 05 Aluminum Clad Wood Inswing French Door Vent (X)	CW-PG45 (40 x 120) SHD	+45/-45 psf

Component Dimensions:

System	Overall Size	Panel Size	Panel Glass Daylight Opening Size
1	40" x 102"	38-3/16" x 99-3/16"	28-13/16" x 86-1/2"
2	40" x 119-1/2"	38-3/16" x 117-3/16"	28-3/4" x 104-1/2"

Hardware:

Hinges:

- **Systems 1, 2:** Four 4" x 4" steel commercial hinges required (4 screw holes per hinge leaf, 8 screw holes per hinge). Set the upper hinge 10" from the top of the panel to the top of the hinge. Set the lower hinge 10" from the bottom of the panel to the bottom of the hinge. Set the two intermediate hinges at equal spacing between the upper and lower hinges.

Lock Assemblies:

- **System 1:**
 - FPL GU 3-point steel lock assembly with handle
 - FPL dead bolt (incorporated in the handset assembly)
- **System 2:**
 - FPL GU 4-point steel lock assembly with handle
 - FPL dead bolt (incorporated in the handset assembly)

Strike Plates:

- **System 1:**
 - Two single latch strike plates and a dust cup for each plate.
 - One handset/deadbolt dual latch strike plate and dust cup.
- **System 2:**
 - Three single latch strike plates and a dust cup for each plate.
 - One handset/deadbolt dual latch strike plate and dust cup.

Product Identification (Certification Agency Label on Door):

System		
1, 2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Eagle Window & Door, Inc.
	Product Name	Hinged Patio Door – Inswing
	Test Standards	System 1: AAMA/WDMA/CSA 101/I.S.2/A440-05 AAMA/WDMA/CSA 101/I.S.2/A440-08 System 2: AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	No	Provide an impact protective system when installing the product in the Inland I and Seaward zones.

Installation:

Fasten the door assembly to minimum Spruce-Pine-Fir dimension lumber wall framing. Secure the door frame jambs into the wall framing by setting fasteners through the hinges and strike plates. Secure each hinge into the wall framing with minimum #10 x 2-1/2" screws (two screws through each hinge). Secure each single latch strike plate into the wall framing using minimum #8 x 2-1/2" screws (two screws through each single latch plate). Secure the handset/deadbolt dual latch strike plate into the wall framing using minimum #8 x 2-1/2" screws (three screws through the dual latch plate). Use fasteners long enough to penetrate a minimum of 1-1/2" into the framing. Secure the door frame into the wall framing by setting additional fasteners through the door frame head and jambs. Set #8 wood screws through the door frame into the wood framing members with a minimum embedment of 1-1/2". The screws are set 6" from each corner of the unit and spaced approximately 12" on center on thereafter.

Note: Keep the manufacturer's installation instructions on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.