



# Product Evaluation

DR596 | 1214

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-596

**Effective Date:** December 1, 2014

**Re-evaluation Date:** May 2016

**Product Name:** Series 05 Aluminum Clad Wood Outswing Hinged Door, Non-impact

**Manufacturer:** Eagle Windows and Doors  
2045 Kerper Blvd.  
Dubuque, IA 52001  
(800) 324-5354

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 05 Aluminum Clad Wood Outswing Hinged Door	LC-PG60 40 x 96 – SHD SHD-C60 40 x 96	+60 / -60 psf
2	Series 05 Aluminum Clad Wood Outswing Hinged Door	CW-PG50 40 x 102 – SHD SHD-C50 40 x 101	+50 / -50 psf

### Product Dimensions:

System	Overall Size	Panel Size	Panel Daylight Opening Size
1	40" x 95-1/4"	38-1/4" x 93-1/4"	28-3/4" x 80-1/2"
2	40" x 101-5/16"	38-3/16" x 99-3/16"	28-13/16" x 86-1/2"

### Hardware:

- **Hinges (System 1):** Three. Secure each to the door panel with four (4), No. 12 x 1-1/2" screws. Secure each to the side jamb with two (2), No. 12 x 1-1/2" screws and two (2), No. 10 x 2-1/2" screws.
- **Hinges (System 2):** Four. Secure each to the door panel with four (4), No. 12 x 1-1/2" screws. Secure each to the side jamb with two (2), No. 12 x 1-1/2" screws and two (2), No. 10 x 2-1/2" screws.
- **3-Point Lock Assembly with Dead Bolt and Handle:** Located on the active panel lock stile.
- **Dead Bolt/Latch Strike Plate:** One required. Secure with three (3), No. 8 x 2-1/2" screws.
- **Strike Plate:** Two required. Each secured with two (2), No. 8 x 2-1/2" screws.

**Product Identification (Certification Agency Label on Door):**

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

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:** Use a minimum Spruce-Pine Fir dimension lumber for wall framing. Secure the assembly to the wall framing through the frame side jambs. At each hinge location, install two (2) No. 10 x 2-1/2" screws through each hinge. At each strike plate, install No. 8 x 2-1/2" screws through strike plates with the quantity required as specified in the hardware section of this evaluation report. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

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