

Product Evaluation

DR654 | 0120

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-654

Effective Date: January 1, 2020

Re-evaluation Date: October 2022

Product Name: Heritage Wood French Outswing Side Hinged Door, Impact Resistant

Manufacturer: Kolbe & Kolbe Millwork Co.
1323 South 11th Avenue
Wausau, WI 54401
(715) 842-5666

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Heritage Wood French Outswing Side Hinged Door	LC-PG65 (75 x 99)-SHD LC-PG65 (74.88 x 98.59)-SHD Missile Level D	+65 / -70 psf

Component Dimensions:

System	Overall Size	Panel Size
1	74.88" x 98.59"	35.75" x 96"

Components and hardware:

- 5-point lock with 3 strikes on astragal, 1 strike at the head and the sill; One required; Located on the active panel.
- 2-point handle activated shoot bolt lock system, 1 strike at the head and the sill; One required; Located on the passive panel.
- Dead bolt lock (Hoppe HLS9000); Located on the active and passive panel.
- Dead bolt/latch strike plate; One required on astragal; Secured with three No. 7 x 5/8" screws
- Strike plates; One required at head and one at sill, both on astragal; Each secured with two No. 7 x 5/8" screws.
- Shoot bolt strike plates; One required at the head and one at the sill; Each secured with three No. 10 x 2-1/2" screws.
- Hinges; Four on each panel; Secured to the door slab with four No. 9 x 1-3/4" screws. Secured to the door side jamb with four No. 9 x 3/4" screws.

Product Identification (Certification Agency Label on Door):

System		
1	Certification agency	WDMA
	Manufacturer's name or code name	Kolbe & Kolbe Millwork Co., Inc.
	Product name	Heritage French Outswing Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, 11 ASTM E1886-05/E1996-09; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1	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:**Option #1:**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door assembly is secured to the wall framing using Kolbe & Kolbe installation clips. Clips must be minimum 10-1/16" long, 1-5/8" wide, and made of 20-gauge galvanized steel. Secure the clips to the door frame using two (2) minimum No. 8 x 3/4" PFH screws and to the wall framing using

one (1) minimum No. 8 x 1-3/4" PFH screw. Locate the clips approximately 16-7/16" from the corners and on center along the side jambs and 18-23/32" from the corners at the head. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option #2:

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door assembly is secured to the wall framing using minimum No. 10 x 2-1/2" PFH screws through the head and side jambs. Locate the screws approximately 10-61/64" from each corner and on center along the side jambs and 12-31/64" from the corners at the head. The sill was secured to the wall framing using minimum No. 10 x 3" PFH screws spaced approximately 13"-14" on center. 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.