

Product Evaluation

DR622 | 0919

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-622

Effective Date: September 1, 2019

Re-evaluation Date: September 2023

Product Name: Ultra Wood Glazed Outswing French Double Side Hinged Entry Doors with Fixed Doors, Non-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
1	Ultra Wood Outswing French Double Side Hinged Door with Fixed Doors	LC-PG65 (151 x 99)-SHD LC-PG65 (75 x 99)-SHD LC-PG65 (38 x 99)-FD LC-PG65 Span (98.59) x TW (103.46)-MA	+65 / -65 psf

Component Dimensions:

System	Overall size	Panel Size	Daylight Opening Size
1	151.12" x 98.59"	35.75" x 96"	27" x 84"

Components and Hardware:

System	Component	Quantity	Attachment Method
1	Hoppe 5-point Lock	1	3 strikes on astragal; 1 strike at the head and the sill; Located at active panel
	Hoppe 2-point handle activated shoot bolt Lock	1	1 strike at the head and the sill; Located at passive panel
	4" Butt Hinges	4 per panel	Secure to the door slab with four minimum No. 9 x 1-3/4" screws and to the door side jamb with four minimum No. 9 x 3/4" screws
	Deadbolt Lock (Hoppe HLS9000)	1	Located on active and passive panel
	Strike Plates	1 at the head 1 at the sill	Located on astragal; secured with two minimum No. 7 x 5/8" screws
	Shoot Bolt strike plates	1 at the head 1 at the sill	Secured with three minimum No. 10 x 2-1/2" screws
	Deadbolt/Latch strike plate	1	Located on astragal; secured with three minimum No. 7 x 5/8" 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	Ultra Outswing Door w/ (2) Stationary Doors
	Test standards	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	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:**Option #1: Installation Clips**

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, 20-gauge, and made of galvanized steel. Secure the clips to the door frame with two minimum No. 8 PFH screws and to the wall framing with one minimum No. 8 x 1-3/4" PFH screw. Locate the clips approximately 16-7/16" from each corner and on center along the side jambs and 12-3/4" from each corner and on center along the head. The sill is secured to the wall framing using minimum No. 10 x 3" PFH screws spaced approximately 6" from each corner and 14" on center. Three minimum No. 10 x 3" PFH screws are placed through the sill and head strike plates. At the mullion locations, secure two metal Gemini installation clips at each end with two minimum No. 8 FH screws and one screw into the adjacent frame. Each Gemini clip used a mull anchor is secured to the wall framing using two minimum No. 8 FH screws with face mount application. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option #2: Frame Installation

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 spaced approximately 10-15/16" from each end and on center along the side jambs and 12-1/2" from each corner and on center along the head. The sill is secured to the wall framing using minimum No. 10 x 3" PFH screws spaced approximately 6" from each corner and 14" on center. Three minimum No. 10 x 3" PFH screws are placed through the sill and head strike plates. At the mullion locations, secure two metal Gemini installation clips (10-1/16" long, 1-5/8" wide, 20-gauge galvanized steel) at each end with two minimum No. 8 FH screws and one screw into the adjacent frame. Each Gemini clip used a mull anchor is secured to the wall framing using two minimum No. 8 FH screws with face mount application. 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, the IBC, and the Texas Revisions.