



# Product Evaluation

DR775 | 0916

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-775

**Effective Date:** September 1, 2016

**Re-evaluation Date:** April 2019

**Product Name:** Teutonic Vinyl French Glazed Outswing Hinged Doors, Impact Resistant

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

### General Description:

System	Description	Label Rating	Design Pressure Rating	Hallmark Certification
1	Teutonic Vinyl French Glazed Outswing Hinged Door	SHD-C65 74 x 98	+65/-65 psf	416-H-1029.02 thru 416-H-1029.05

### Component Dimensions:

System	Overall Size	Panel Size	Maximum Panel Glass Daylight Opening Size
1	74" x 98"	37" x 95"	25-1/2" x 85-1/2"

**Hardware:**

- **Multi-point Lock;** Roto; located on both active panels.
- **Strike Plates and Mushroom Locks:**
  - **Four keepers and mushroom locks on each frame jamb;** each keeper secured with three 3.9mm x 25mm PH flat head tek screws.
  - **2 keepers and mushroom locks on head, sill, top and bottom rails;** each keeper secured with three 3.9mm x 25mm PH flat head tek screws.
  - **2 keepers located on the T-mullion;** each keeper secured with three 3.9mm x 25mm PH flat head tek screws.
- **Hinges:** Four on each panel; secure each to the door panel with four, 6.2mm x 40mm PH flat head screws and to the side jamb with two, 6.2mm x 50mm PH flat head screws.

**Sill:** vinyl sill.

**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	Teutonic Outswing French Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-05, ASTM E 1996-02; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:**

Use minimum Southern Yellow Pine dimension lumber. Secure the door assembly to the wall framing using the door frame with minimum No. 10 PFH screws. Along the head, sill, and side jambs, locate the fasteners approximately 4" from each corner and approximately 14-1/2" on center. Use fasteners long enough to penetrate a minimum of 1-1/2" into the framing.

**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.