

Product Evaluation

GDR139 | 0720

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: GDR-139

Effective Date: July 1, 2020

Re-evaluation Date: July 2024

Product Name: DoorKraft Wood Sectional Garage Doors, Non-Impact Resistant

Manufacturer: The Builders Source (TBS) Garage Doors Inc., dba DoorKraft LLC
1625 Crescent Circle
Suite 225
Carrollton, TX 75006
(214) 731-3000

General Description:

The door sections are constructed from 3/4" thick Douglas Fir lumber at the upper and lower rails. The top rail of the top section and the bottom rail of the bottom section are 3-1/2" wide. All intermediate rails are 1-5/8" wide.

The rails are cross braced vertically with 3/4" thick by 3-1/2" wide Douglas Fir lumber stiles. The stiles are evenly spaced as shown on the drawings. End stiles and intermediate stiles are gusseted with a 5" wide by 3/4" thick Douglas Fir block.

The door frame exterior is clad with 3/4" Cedar planks that are sealed to the door frame with polyurethane adhesive and 6-gauge galvanized brad nails. The Cedar cladding can be oriented vertically, horizontally, or diagonally to present the desired exterior appearance.

Hinges and Struts are secured to the door panel using a combination of carriage bolts and lag screws. The carriage bolts are manufactured into the panels. The struts and lower leaf of the

hinges are also factory installed. The type and location of each fastener for the hinge and the strut attachment is shown on each drawing.

DoorKraft doors are not tested for impact resistance from windborne debris.

Overall panel thickness is approximately 2-3/8".

Basic Section height (maximum) is 28" (7' tall doors are built from three sections.)

The interior vertical stiles and hinges do not necessarily align with the exterior decorative stiles.

Hardware: The following applies to all doors.

- End Hinges: 11-gauge galvanized steel hinges.
- Intermediate (Center) Hinges: 11-gauge galvanized steel hinges.
- Locks: slide locks or drawbar operator required to keep door closed under windload conditions.
- Tracks: Vertical tracks are 2" x 13-gauge galvanized steel.
- Track Brackets: 10-gauge galvanized steel.
- Rollers: 2" diameter 11-ball steel w/ Nylon tire cover "Short" stem for single wide doors, "Long" long stem for double wide. Also, double wide doors require high-strength roller stems.

Glazing: Glazing is not available in these doors.

Product Identification: The door will have a label applied that includes the manufacturer's name (DoorKraft, LLC); the design pressure rating; the drawing number; and the test standards (DASMA 108-05/12/17).

Limitations:

Impact Protection: These doors have not been tested for impact resistance.

Maximum allowable door dimensions, design pressures, and design drawing requirements are shown in Table 1.

Installation:

General: The door must be installed in accordance with the manufacturer's published installation instructions, design drawings (signed, sealed, and dated by John E. Scates, P.E), and this product evaluation report.

Design Drawings: Install the doors as specified on the design drawings. The manufacturer will provide the design drawings with the door. John E. Scates, PE sealed each page of the design drawings. The first page of the design drawing has the seal date. Each drawing is sealed May 22,

2020. The drawing numbers are specified in Table 1. The following information is provided on the design drawings:

- Product Description
- Drawing Number
- Design Pressure Ratings

A copy of the design drawings must be available at all times at the job site during installation.

The information within this report governs if there are any conflicts between the manufacturer's instructions and this report.

Interior reinforcement hardware configurations will vary based on the garage door dimensions and wind pressure requirements. Refer to Table 1 for maximum allowable door dimensions, allowable design pressures, and applicable drawings.

Attachment of Doors to Wall Framing:

The door tracks are secured to minimum 2x6 SPF dimension lumber jambs with jamb brackets as specified on the design drawings.

Attachment of Wood Jambs to Structure: The attachment of the wood jambs to the structure must be in accordance with the Jamb Attachment Schedule drawing, dated June 18, 2020. The drawing is sealed and dated June 28, 2020 by John E. Scates, P.E.

Table 1
DoorKraft Sectional Doors

Maximum Width	Maximum Door Height	Maximum Section Height	Drawing	Design Pressures (psf)
9'-0"	8'-0"	28"	9x7 WL	+22.8 / -25.8
8'-0"	8'-0"	28"	9x7 WL	+25.7 / -29.0
16'-0"	8'-0"	28"	16x7 WL1	+23.2 / -25.9
16'-0"	8'-0"	28"	16x7 WL2	+27.4 / -30.5
18'-0"	8'-0"	28"	18x7 WL1	+18.3 / -20.5
18'-0"	8'-0"	28"	18x7 WL2	+21.6 / -24.1

Note: Keep the manufacturer's installation instructions, the appropriate design drawings, and the Jamb Attachment Schedule drawing available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and IBC.