

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

**PRODUCT EVALUATION**  
DR-506

Effective Date: November 1, 2011 (Revised April 1, 2014)  
Reevaluation Date: **December 2016**

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.

**Knotty Alder Wood Inswing Hinged Doors with Three Quarter Lite Glass, Non-Impact Resistant,**  
manufactured by

**Hoelscher Weatherstrip Manufacturing Co., Inc.**  
**1011 Houston Oaks Drive**  
**Houston, Texas 77064**  
**Telephone: (713) 869-6466**

## General Description:

System	Description	Design Pressure Rating
1	36 x 96 Knotty Alder 3/4 Lite Inswing Door, X	+40.60 psf / -53.20 psf
2	36 x 96 Knotty Alder 3/4 Lite Inswing Door, X	+54.80 psf / -71.30 psf
3	42 x 96 Knotty Alder 3/4 Lite Inswing Door, X	+54.80 psf / -71.30 psf
4	6080 Knotty Alder 3/4 Lite Inswing Door; XX	+50.00 psf / -50.00 psf

## Product Dimensions:

System	Overall Size	Panel Size	Glass Daylight Opening Size
1	37.5" x 97.75"	36.00" x 95.00"	20.63" x 66.06"
2	37.5" x 97.75"	36.00" x 95.00"	20.63" x 66.06"
3	43.75" x 97.75"	42.00" x 95.00"	26.63" x 66.13"
4	74.38" x 97.75"	Two (2): 35.88" x 95.38"	20.63" x 66.00"

## Hardware:

### Hinges:

- Hinges (System 1, 2, 3); Four required; Secured to the door panel with three No. 10 x 1" screws and one No. 10 x 2" screw. Secured to the door jamb with two No. 10 x 1" screws and two No. 10 x 2.5" screws.
- Hinges (System 4); Four required per door panel; Secured to the door panel with two No. 10 x 1" screws and two No. 10 x 3" screws. Secured to the door jamb with two No. 10 x 1" screws and two No. 10 x 2.5" screws.

## Dead bolt and locksets:

### System 1 (One of the following):

- Schlage JH58 Lockset (dead bolt and dead bolt latch).
  - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 3" screws.
  - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 0.75" screws.

**System 1 (One of the following) - continued:**

- Kwikset 800CE Lockset (dead bolt and dead bolt latch).
  - Dead bolt strike plate: Secured to the lock jamb with four No. 10 x 3" screws.
  - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 1.50" screws.
- Kwikset 687DA Lockset (dead bolt and dead bolt latch).
  - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 3" screws.
  - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 1.50" screws.

**System 2:**

- Kwikset 687DA Lockset (dead bolt and dead bolt latch).
  - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 3" screws.
  - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 1.50" screws.
  - Steel security strike plate (0.035" x 3.50" x 4.00"). Secured to the lock jamb behind dead bolt with three No. 8 x 0.63" screws

**System 3:**

- Kwikset 800CE Lockset (dead bolt and dead bolt latch).
  - Dead bolt strike plate: Secured to the lock jamb with four No. 10 x 3" screws.
  - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 1.50" screws.
  - Steel security strike plate (0.035" x 3.50" x 4.00"). Secured to the lock jamb behind dead bolt with three No. 8 x 0.63" screws

**System 4:**

- Kwikset 800CE Lockset (dead bolt and dead bolt latch).
  - Dead bolt strike plate: Secured to the stationary panel astragal with two No. 8 x 2" screws.
  - Dead bolt latch strike plate: Secured to the stationary panel with two No. 8 x 2" screws.
  - Steel security strike plate (0.035" x 3.50" x 4.00"). Secured to the lock jamb behind dead bolt with three No. 8 x 0.63" screws
- Flush bolts; Two required; Located on the stationary door leaf astragal at the top and the bottom.
  - Flush bolt strike plates; Two (2) required; Located at the head and secured with two No. 8 x 3" screws/
- Surface bolts; Two required; Located at the interior locking stiles at the top and bottom.
  - Surface bolt strike plates: Two required; Located at the head and secured with three No. 6 x 2" screws.

**Thresholds:**

**Systems 1, 2:** Plastic and aluminum, adjustable with a sloped sill.

**System 3:** Plastic, composite, and aluminum, sloped sill.

**System 4:** Aluminum, sloped sill with holes for flush and surface bolts

**Product Identification (Manufacturer Label on Door):**

System		
1, 2	Manufacturer	Hoelscher Weatherstrip
	Product Name	36" x 96" Knotty Alder 3/4 Lite Inswing Single Door
	Test Standards	ASTM E 330
3	Manufacturer	Hoelscher Weatherstrip
	Product Name	42" x 96" Knotty Alder 3/4 Lite Inswing Single Door with Steel Security Plate on Lockside Jamb
	Test Standards	ASTM E 330

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

System		
4	Certification Agency	NAMI
	Manufacturer	Hoelscher Weatherstrip Mfg Company
	Product Name	6080 3/4 Lite Knotty Alder Glazed Double Entrance Doors
	Test Standards	ASTM E 330

**Impact Resistance:**

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

**Acceptance of Smaller Assemblies:** Door and glass lite dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

**Installation:**

**Systems 1, 2, 3:** The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The door is secured to the wall framing in the following manner:

- Hinge Jamb (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 3 inches from outside corners, at each hinge (see hardware), and at the midpoint between each hinge.
- Lock Jamb (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 3 inches from outside corners and 17 inches on center.
- Head (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 3 inches from outside corners and one at the midpoint.
- Threshold (through aluminum): Minimum No. 10 x 2" screws. Located 3 inches from outside corners and one at the midpoint.

**System 4:** The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing in the following manner:

- Jambs (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 1 inch from inside frame corners and at the midpoint between each hinge.
- Head (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 2 inches from inside frame corners and 12 inches on center.
- Threshold (through aluminum): Minimum No. 10 x 2" screws. Located 5.5 inches from inside frame corners and 13 inches on center.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.