

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
DR-682

Effective Date: June 1, 2014
Reevaluation Date: **May 2015**

*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.

Pella and Architect Series Fiberglass Panel Inswing Hinged Clad and Wood Frame Glazed and Solid Doors With and Without Sidelites, Non-impact Resistant, manufactured by

Pella Corporation
102 Main Street
Pella, Iowa 50219
Telephone: (641) 621-1000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Single Inswing Opaque Entry Door	SHED +/-50 Size Tested: 43.5 x 97.75	+50 / -50 psf
2	Single Inswing Glazed Entry Door	SHED +/-30 Size Tested: 37.5 x 97.75	+30 / -30 psf
3	Single Inswing Opaque Entry Door	SHED +/-55 Size Tested: 43.5 x 97.75	+55 / -55 psf
4	Single Inswing Glazed Entry Door	SHED +/-55 Size Tested: 37.5 x 97.75	+55 / -55 psf
5	Single Inswing Opaque Entry Door with Sidelites	SHED +/-30 Size Tested: 74.5 x 97.75	+30 / -30 psf
6	Single Inswing Opaque Entry Door with Sidelites	SHED +/-50 Size Tested: 74.5 x 97.75	+50 / -50 psf
7	Double Inswing Opaque Entry Door	SHED +/-40 Size Tested: 75 x 97	+40 / -40 psf
8	Double Inswing Opaque Entry Door	SHED +/-35 Size Tested: 87 x 98	+35 / -35 psf
9	Double Inswing Glazed Entry Door	SHED +/-35 Size Tested: 75 x 98	+35 / -35 psf

Product Dimensions:

System	Overall Size	Door Panel Size (Active/Passive)	Sidelite Panel Size
1	43.50" x 97.75"	41.81" x 95.05"	N/A
2	37.50" x 97.75"	35.81" x 95.05"	N/A
3	43.50" x 97.75"	41.81" x 95.05"	N/A
4	37.50" x 97.75"	35.81" x 95.05"	N/A
5	74.50" x 97.75"	41.81" x 95.05"	Two: 13.94" x 95.05
6	74.50" x 97.75"	41.81" x 95.05"	Two: 13.94" x 95.05
7	74.88" x 96.75"	Two: 35.81" x 95.05"	N/A
8	86.88" x 97.75"	Two: 41.81" x 95.05"	N/A
9	74.88" x 97.75"	Two: 35.81" x 95.05"	N/A

Daylight Opening Sizes

System	Door Panel Daylight Opening size	Sidelite Panel Daylight Opening Size
1	N/A	N/A
2	22.00" x 80.00"	N/A
3	N/A	N/A
4	22.00" x 80.00"	N/A
5	N/A	8.00" x 80.00"
6	N/A	8.00" x 80.00"
7	N/A	N/A
8	N/A	N/A
9	22.00" x 80.00"	N/A

Hardware:

System 1, 2, 5:

- Kwikset Series 780 deadbolt and latch; located on the active panel.
- Latch strike plate; one required; located on the door jamb; secured with two No. 8 x 3" screws.
- Deadbolt strike plate; one required; located on the door jamb; secured with two No. 8 x 3" screws.
- Hinges; Four required; Secured to the door panel with three No. 8 x $\frac{3}{4}$ " flat head screws and one No. 8 x 3" flat head screw. Secured to the door jamb with four No. 8 x $\frac{3}{4}$ " screws.

System 3, 4, 6:

- Pella 3-point lock; located on the active panel.
- Multi-point strike plates; three required located on the door jamb; each secured with two No. 8 x 3" screws.
- Reinforcement plate; One required; located on outside of door frame to support deadbolt; secured with two No. 10 x $\frac{7}{8}$ " screws.

Hardware (continued):

System 3, 4, 6:

- Hinges; Four required; Secured to the door panel with three No. 8 x $\frac{3}{4}$ " flat head screws and one No. 8 x 3" flat head screw. Secured to the door jamb with four No. 8 x $\frac{3}{4}$ " screws.

System 7, 8, 9:

- Kwikset Series 780 deadbolt and latch; located on the active panel.
- Latch strike plate; one required; located on the inactive door astragal secured with two No. 8 x 3" screws.
- Deadbolt strike plate; one required; located on the inactive door astragal; secured with two No. 8 x 3" screws.
- Pella 2-point lock; astragal flush bolt system with steel shoot tips located at the head and the sill
- (System 7): Shoot bolt strike plates; One required at the head and the sill; secured with two No. 12 x 2.5" screws at the head strike plate and one No. 10 x 2" screw at the sill strike tub.
- (System 8, 9): Shoot bolt strike plates; One required at the head and the sill; secured with two No. 12 x 2.5" screws.
- Hinges; Four (4) required; Secured to the door panel with three No. 8 x $\frac{3}{4}$ " flat head screws and one No. 8 x 3" flat head screw. Secured to the door jamb with four No. 8 x $\frac{3}{4}$ " screws.

System 7, 9 (option to deadbolt and latch on active door):

- Pella 3-point lock; located on the active panel.
- Multi-point strike plates; three required located on the door jamb; each secured with two No. 8 x 3" screws.
- Pella 2-point lock; astragal flush bolt system with steel shoot tips located at the head and the sill
- (System 7): Shoot bolt strike plates; One required at the head and the sill; secured with two No. 12 x 2.5" screws at the head strike plate and one No. 10 x 2" screw at the sill strike tub.
- (System 9): Shoot bolt strike plates; One required at the head and the sill; secured with two No. 12 x 2.5" screws.
- Hinges; Four required; Secured to the door panel with three No. 8 x $\frac{3}{4}$ " flat head screws and one No. 8 x 3" flat head screw. Secured to the door jamb with four No. 8 x $\frac{3}{4}$ " screws.

Threshold: Aluminum sill. 4.551" long x 1.341" high

Product Identification (Certification Agency Label on Door):

System		
1-9	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Pella Clad Inswing Entry Door
	Test Standards	ASTM E 330-02

Impact Resistance:

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

Installation (One of the options shall be used):

System 1, 2, 3, 4, 5, 6 (Clip installation): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing at the frame head and side jambs with 2.00" x 6.00" x 0.050" galvanized steel installation clips. Each clip is bent 90 degrees to wrap the end of the clip around the interior face of the test frame. The clips are located 6 inches from each corner on the head and jambs and spaced 18 inches on center along each side jamb (**System 5, 6:** clips are required 3 and 6 inches on either side of the vertical mullions at the head and a No. 10 x 2.5" screw is required 3 and 6 inches on either side of the vertical mull at the sill). The clips are secured to the door frame with two No. 6 x $\frac{5}{8}$ " screws and to the wall framing with two No. 6 screws. One No. 8 x 3" screw is located through the lock jamb approximately 8 inches from the top of the door. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing.

System 1, 3 (Fin installation): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing with a roll-formed aluminum nailing flange at the frame head and side jambs with minimum 12 gauge smooth shank roofing nails. The fasteners are located approximately 5 to 7 inches from each corner and spaced 5 to 7 inches on center. One No. 8 x 3" screw is located through the lock jamb approximately 8 inches from the top of the door. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing.

System 2, 4, 5 (Screw installation): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The head and side jambs are secured to the wall framing with minimum No. 10 x 3.5" screws. The screws are located approximately 6 inches from each corner and 18 inches on center along the side jambs. (**System 5:** screws are required 3 and 6 inches on either side of the vertical mullions at the head and a No. 10 x 2.5" screw is required 3 and 6 inches on either side of the vertical mull at the sill). One No. 8 x 3" screw is located through the lock jamb approximately 8 inches from the top of the door. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing.

System 7 (Screw installation): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. One No. 8 x 3" screw located through each hinge. Two No. 12 x 2.5" screws are located in the head strike plate. One No. 10 x 2" screw located in the sill strike tub. . The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing.

System 8, 9 (Screw installation): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. One No. 8 x 3" screw located through each hinge. Two No. 12 x 2.5" screws are located in the head and sill strike plate. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing.

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.