

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION DR-202

Effective Date: August 1, 2014
Reevaluation Date: **November 2017**

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.

ProLine Series Aluminum Clad Wood Sliding Glass Doors, 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	ProLine Series Aluminum Clad Wood Sliding Glass Door, OX	R-PG30 95.25 x 80.125-Type SD	± 30 psf
2	ProLine Series Aluminum Clad Wood Sliding Glass Door, XO	R-PG30 71.25 x 81.5-Type SD	± 30 psf

Product Dimensions:

System	Overall Size	Operating Panel Size	Fixed Panel Size
1	95 1/4" x 80 1/8"	46 29/32" x 78 5/32"	46 29/32" x 78 5/32"
2	72" x 82"	34 29/32" x 79 1/2"	34 29/32" x 79 1/2"

Product Identification (Certification Agency Label on Door):

System		
1, 2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Sliding Contemporary Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

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

Installation:

Nail Flange Installation: The door shall be fastened to minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing using the roll-formed aluminum nailing flange with minimum 11 gauge galvanized smooth shank roofing nails. The nailing flange is located along the head and side jambs. The fasteners shall be installed through pre-punched holes spaced 5 to 7 inches on center along the head and side jambs of the door frame. Four fasteners, approximately 2 inches apart, shall be concentrated above the meeting stile at the head. One minimum No. 8 x 2 ½" screw shall be used to secure the lock strike through the door frame and into the wall framing. The sill is secured to the wall framing with minimum No. 8 x 2 ½" screws. The fasteners shall be located at the center of each panel and three concentrated below the meeting stile, 2 inches apart. If the sill is secured to concrete, then minimum ⅜" diameter concrete anchors shall be used. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the framing members. The sill shall be secured to the floor with sealant.

Frame Installation with Screws: The door shall be fastened to minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing using the frame head and side jambs with minimum No. 8 x 3" screws. The fasteners shall be located approximately 4 inches from the corners and 10 inches on center. Four fasteners, approximately 2 inches apart, shall be concentrated above the meeting stile at the head. One minimum No. 8 x 2 ½" screw shall be used to secure the lock strike through the door frame and into the wall framing. The sill is secured to the wall framing with minimum No. 8 x 2 ½" screws. The fasteners shall be located at the center of each panel and three concentrated below the meeting stile, 2 inches apart. If the sill is secured to concrete, then minimum ⅜" diameter concrete anchors shall be used. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the framing members. The sill shall be secured to the floor with sealant.

Frame Installation with Installation Clips: The door shall be fastened to minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing using the frame head and side jambs with installation clips (8" x 1 ⅞" x 0.0516" steel). The installation clips shall be located approximately 10 inches from the corners and 10 inches on center. One minimum No. 8 x 2 ½" screw shall be used to secure the lock strike through the door frame and into the wall framing. The sill is secured to the wall framing with minimum No. 8 x 2 ½" screws. The fasteners shall be located at the center of each panel and three concentrated below the meeting stile, 2 inches apart. If the sill is secured to concrete, then minimum ⅜" diameter concrete anchors shall be used. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the framing members. The sill shall be secured to the floor with sealant.

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.