



Product Evaluation

DR449 | 0415

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-449

Effective Date: April 1, 2015

Re-evaluation Date: April 2018

Product Name: 350 Series Premium Vinyl Sliding Glass Doors, Non-Impact Resistant

Manufacturer: Pella Corporation
102 Main Street
Pella, IA 50219
(641) 621-1000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	350 Series Premium Vinyl Sliding Glass Doors; OXXO	R-PG50 146x100- Type SD	+50 / -50 psf
2	350 Series Premium Vinyl Sliding Glass Doors; OXO	R-PG50 146x100- Type SD	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Glass Daylight Opening Size
1	146" x 100" (OXXO)	Two (2): 37.172" x 97-3/8"	Two (2): 37.172" x 97-3/8"
2	146" x 100" (OXO)	One (1): 48-3/8" x 97-3/8"	Two (2): 48-3/8" x 97-3/8"

Acceptable Configurations:

System 1: OXXO

System 2: OX, XO, OXO

Product Identification (Certification Label on Door):

System		
1, 2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	350 Series – Patio Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

Use a minimum Spruce-Pine-Fir dimension lumber for the wood wall framing members. Mount the door to the wood wall framing members using the frame of the door with minimum No. 10 x 2" screws. Space the fasteners along the head, sill, and side jambs, approximately 6" from each corner and approximately 18" on center. Concentrate five fasteners 3" apart around the interlock and the astragal at the center of the head and the sill. Use three (3); No. 10 x 3" screws to secure the lock strike through the doorframe to the wall framing. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing members. If securing the door to concrete, then use a minimum 3/16" concrete anchors. Concrete anchors must be long enough to penetrate a minimum of 1-1/2" into the concrete.

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.