

## Product Evaluation

DR690 | 0520

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-690

**Effective Date:** May 1, 2020

**Re-evaluation Date:** May 2023

**Product Name:** Impervia Fiberglass Fixed Patio Door, Fin Installation, 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      | Impervia Fiberglass Fixed Patio Door | LC-PG50 (49 x 96)-FD | +50 / -50 psf          |

### Product Dimensions:

| System | Overall Size     | Fixed Panel Daylight Opening Size |
|--------|------------------|-----------------------------------|
| 1      | 49.312" x 95.50" | 42.82" x 89.19"                   |

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

| System |                                  |                                 |
|--------|----------------------------------|---------------------------------|
| 1      | Certification agency             | WDMA                            |
|        | Manufacturer's name or code name | Pella Corporation               |
|        | Product name                     | Impervia Fixed Patio Door       |
|        | Test standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-11 |

**Impact Resistance:**

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

**Installation:**

| System |                           |  |
|--------|---------------------------|--|
| 1      | Type of installation      | Nail Fin Installation  |
|        | Wall framing              | Spruce-Pine-Fir dimension lumber   |
|        | Fasteners                 | Minimum 2" long 11-gauge smooth shank roofing nails                              |
|        | Fastener location/spacing | Approximately 5"-7" from each corner and on center along the head and side jambs |
|        | Fastener penetration      | Minimum of 1-1/2" into the wall framing  |

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.