

## Product Evaluation

DR385 | 0620

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-385

**Effective Date:** June 1, 2020

**Re-evaluation Date:** June 2024

**Product Name:** Series 07-07 Vinyl Center-Hinged Outswing Doors, Frame Installation, Impact Resistant

**Manufacturer:** Simonton Windows & Doors by Ply Gem  
5020 Weston Pkwy, Ste. 300  
Cary, NC 27513  
(800) 542-9118 ext. 413596

**Marketed As:** StormBreaker Plus  
PerfeXion Coastal  
8000 Series

### General Description:

| System | Description                                     | Label Rating                            | Design Pressure Rating |
|--------|---|---|------------------------|
| 1      | Series 07-07 Vinyl Center-Hinged Outswing Doors | R-PG50 (71 x 80)-SHD<br>Missile Level D | +50 / -50 psf          |

### Product Dimensions:

| System | Overall Size      | Operable Panel Size | Fixed Panel Daylight Opening Size |
|--------|-------------------|---------------------|-----------------------------------|
| 1      | 71-1/8" x 79-5/8" | 34-1/8" x 77-3/8"   | 26" x 69-1/4"                     |

**Components and Hardware:**

- **Hinges:** One (1) required; secure with No. 8 x 3/4" screws
- **Handle Set by Hoppe Series No. HLS 9000:** One (1) required
- **3-point Lock by Fuhr Series No. Multisafe 859 Type 11:** One (1) required
- **Strike Plates:** Three (3) required; Middle strike plate secured with three (3) No. 8 x 3" fasteners; top and bottom strike plates secured with two (2) No. 8 x 3" fasteners
- **Vinyl Guide:** One (1) required

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

| System |                                  |  |
|--------|----------------------------------|--|
| 1      | Certification agency             | AAMA   |
|        | Manufacturer's name or code name | SIM-1 or SIM-2   |
|        | Product name                     | 07-07 CENTER-HINGE DOOR OS                                   |
|        | Test standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-08<br>AAMA 506; Missile Level D |

**Impact Resistance:**

| System | Impact Resistant | Requirement   |
|--------|------------------|---|
| 1      | Yes              | These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies. |

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

**Installation:**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using minimum No. 10 x 2-1/2" fasteners. Along the side jambs, use four (4) evenly spaced fasteners. Along the head and sill, use six (6) fasteners, one approximately 6" from each side jamb, and two (2) located adjacent to the astragal at 4" and 7" from the mullion. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**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.