

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
DR-280

Effective Date: May 1, 2013
Reevaluation Date: **March 2014**

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.

Series 5800 Vinyl Sliding Glass Doors, New Construction or Replacement Doors, Non-Impact Resistant, manufactured by

Silver Line Building Products
One Silver Line Drive
North Brunswick, NJ 08902-6029
Telephone: (732) 435-1000

and distributed under the following trade names:

Silver Line
American Craftsman (Home Depot)

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|--------------------------------------|----------------|------------------------|
| 1 | Series 5800 Vinyl Sliding Glass Door | R-PG35 72 x 81 | ± 35 psf |
| 2 | Series 5800 Vinyl Sliding Glass Door | R-PG50 96 x 82 | ± 50 psf |

Product Dimensions:

| System | Overall Size | Operable Panel Size | Fixed Panel Daylight Opening Size |
|--------|-------------------|---------------------|-----------------------------------|
| 1 | 72" x 80" | 36 1/2" x 77" | 32" x 72 1/8" |
| 2 | 95 1/2" x 81 1/2" | 48 1/2" x 78 3/8" | 43 3/4" x 73 3/4" |

Product Identification (Certification Agency Label on Door):

| System | | |
|--------|----------------------------------|---------------------------------|
| 1-2 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Silver Line Windows |
| | Product Name | 5800 Series Patio 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:

Fin Installation to Wood:

System 1: The wall framing shall be minimum Spruce-Pine-Fir lumber. The door is secured to the wall framing members using the nailing fin at the head, sill, and side jambs with minimum No. 8 x 1 ½" screws. The fasteners shall be located approximately 6 ½ inches from each corner and approximately 6 ½ inches on center. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 2: The wall framing shall be minimum Spruce-Pine-Fir lumber. The door is secured to the wall framing members using the frame and nailing fin of the door. The nailing fin is secured to the wall framing at the head, sill, and side jambs with minimum No. 8 x 2" screws. The fasteners shall be located approximately 4 inches from each corner and approximately 9 inches on center. The frame is secured to the wall framing at the head and side jambs with minimum No. 8 x 2" screws. Along the head, the fasteners are located approximately 6 inches from each corner, one (1) at the mid span, and one (1) 6 inches on either side of the mid span. Along each side jamb, four (4) fasteners evenly spaced are required beginning approximately 6 inches from each corner. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Frame Installation to Wood:

System 1: The wall framing shall be minimum Spruce-Pine-Fir lumber. The door is secured to the wall framing members using the door frame head, sill, and side jambs with minimum No. 8 x 1 ½" screws. Along the head, the fasteners shall be located approximately 4 inches from each corner and approximately 16 inches on center. Along each side jamb, the fasteners shall be located approximately 4 inches from each corner and approximately 9 inches on center.

System 2: The wall framing shall be minimum Spruce-Pine-Fir lumber. The door is secured to the wall framing members using the frame of the door with minimum No. 8 x 2" screws. Along the head, the fasteners are located approximately 6 inches from each corner, one (1) at the mid span, and one (1) 6 inches on either side of the mid span. Along each side jamb, four (4) fasteners evenly spaced are required beginning approximately 6 inches from each corner. The fasteners shall be long enough to penetrate a minimum of 1 ½ 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.