

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
DR-281

Effective Date: July 1, 2012 (Revised May 1, 2014)
Reevaluation Date: **December 2015**

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 5500/5700/50 Vinyl Sliding Glass Doors, New Construction or Replacement Doors, Non-Impact Resistant, manufactured by

Silver Line Building Products
Route One North
P.O. Box 6029
North Brunswick, NJ 08902-6029
(732) 435-1000, Ext. 4027

and distributed under the following trade names:

Silver Line
American Craftsman (Home Depot)

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|--|--------------------------|------------------------|
| 1 | Series 5500/5700/50 Vinyl Sliding Glass Door; (XO) | Class R-PG 35 72 x 80 SD | ± 35 psf |

Product Dimensions:

| System | Overall Size | Operable Panel Size | Fixed Panel Daylight Opening Size |
|--------|-------------------|---------------------|-----------------------------------|
| 1 | 71 1/2" x 79 3/4" | 35 3/8" x 77 1/2" | 35 3/8" x 77 1/2" |

Product Identification (Certification Agency Label on Door):

| System | | |
|--------|----------------------------------|---------------------------------|
| 1 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Silver Line Windows |
| | Product Name | Series 5500/5700/50 |
| | 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: 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 $\frac{3}{4}$ " screws or 11 gauge galvanized roofing nails. Along the head and sill, the fasteners shall be located approximately 2 inches from each corner and spaced 4 inches on center thereafter. Along each side jamb, the fasteners shall be located approximately 3 inches from each end and approximately 19 inches on center. In addition, six (6) fasteners shall be provided at each end of the meeting stiles. The fasteners shall be spaced 2 inches on center. If the door sill rests on concrete, minimum $\frac{3}{16}$ " diameter Tapcons shall be used along the sill. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing. The window shall be set in a bed of silicone.

Frame Installation to Wood: 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 $\frac{3}{4}$ " screws. Along the head and sill, the fasteners shall be located approximately 3 inches from each corner, one at the mid-span of each panel, and one on either side of the meeting stile. Along each side jamb, the fasteners shall be located approximately 3 inches from each end and approximately 19 inches on center.

Frame Installation to Concrete or CMU: The wall framing shall be precast concrete, cast in place concrete, or concrete masonry units (CMU) construction. Hollow CMU is acceptable. The door is secured to the wall framing members using the door frame head, sill, and side jambs with minimum $\frac{3}{16}$ " diameter Tapcons. Along the head and sill, the fasteners shall be located approximately 3 inches from each corner, one at the mid-span of each panel, and one on either side of the meeting stile. Along each side jamb, the fasteners shall be located approximately 3 inches from each end and approximately 19 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{4}$ " into the wall framing and shall be located a minimum of 2 $\frac{5}{8}$ inches from the edge of the opening. The window shall be set in a bed of silicone.

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.