

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-1416

Effective Date: June 1, 2011 (Revised June 1, 2014)

Reevaluation Date: **July 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.

Traditional ES70 Vinyl Casement Windows and Casement Windows with a Fixed Window, New Construction or Replacement Windows, 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. 4288

and distributed under the following trade names:

Silver Line
American Craftsman (Home Depot)

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Traditional ES70 Vinyl Casement Windows; Triple: (X.X.X)	CW-PG30 108 x 72-C	+/- 30 psf
2	Traditional ES70 Vinyl Twin Casement Windows with Fixed Window; (X.O.X)	CW-PG30 108 x 72-C	+/- 30 psf

Product Dimensions:

System	Overall Size	Operable Vent Size	Fixed Vent Size
1	108" x 72"	Three: 34 1/2" x 70 1/8"	N/A
2	108" x 72"	Two: 25 1/8" x 70 1/16"	52 3/8" x 70 1/16"

Product Identification (Certification Agency Label on Window):

System		
1, 2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Silver Line Windows
	Product Name	Traditional Series Casement
	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

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

Installation (One of the Following):

Fin Installation to Wood: The wall framing shall be minimum Spruce-Pine-Fir lumber. The window is secured to the wall framing members using the window nailing fin with either No. 8 x 1 $\frac{3}{4}$ " screws or 11 gauge x 1 $\frac{3}{4}$ " roofing nails. The fasteners shall be located approximately 3 inches from each corner and approximately 5 inches on center along the perimeter of the window. 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 window is secured to the wall framing members using the window frame head and side jambs with minimum No. 8 x 1 $\frac{3}{4}$ " screws. Along each side jamb, the fasteners shall be located approximately 3 inches from each corner and approximately 18 inches on center. Along the head, the fasteners shall be located approximately 3 inches from each corner, 3 inches on each side of each intermediate side jamb, and one at the mid span of each window. Minimum $\frac{1}{2}$ " x $\frac{3}{4}$ " wood blind stops are required along the interior and exterior side of the sill. The blind stops are secured to the wood wall framing with minimum No. 6 x 2" screws located approximately 1 inch from each end and approximately 5 inches on center. 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 Concrete or CMU: The wall framing shall be precast concrete, cast in place concrete, or concrete masonry units (CMU) construction. Hollow CMU is acceptable. Along each side jamb, the fasteners shall be located approximately 3 inches from each corner and approximately 18 inches on center. Along the head, the fasteners shall be located approximately 3 inches from each corner, 3 inches on each side of each intermediate side jamb, and one at the mid span of each window. Minimum $\frac{1}{2}$ " x $\frac{3}{4}$ " wood blind stops are required along the interior and exterior side of the sill. The blind stops are secured to the wood wall framing with minimum No. 6 x 2" screws located approximately 1 inch from each end and approximately 5 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{4}$ inches 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.