

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-764

Effective February 1, 2007
Revised July 1, 2007

*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 shall be subject to reevaluation 3 years after the effective date.*

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 7550 Weather Stopper™ Vinyl Casement Windows, Impact Resistant, manufactured by:

Silverline Building Products
1 Silverline Dr.
North Brunswick, NJ 08902
(732) 435-1000

and distributed under the following trade names:

Silver Line
American Craftsman (Home Depot)

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation report.

PRODUCT DESCRIPTION

The Series 7550 Weather Stopper™ windows are vinyl casement windows. The vinyl casement windows evaluated in this report are individual, impact resistant windows. This product evaluation report is for vinyl impact resistant casement windows based on the following tested configurations:

General Description:

System	Description	Label Rating
1	Series 7550, Vinyl Casement Windows	C-R30 30 x 65; MST: 2'6" x 5'5"
2	Series 7550, Vinyl Casement Windows	C-R50 28 x 36; MST: 2'4" x 3'0"

Product Dimensions:

System	Overall Size	Operable Vent Size
1	31 $\frac{7}{8}$ " x 66"	30 $\frac{3}{8}$ " x 64 $\frac{1}{4}$ "
2	28" x 36"	26 $\frac{5}{16}$ " x 34 $\frac{3}{8}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1
2	IG-1	GM-1

Note: ¹ See the "Glass Description Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

PRODUCT DESCRIPTION (Continued)

Glazing Description Key:

IG-1: The operable vent contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of a laminated glass unit and a double strength ($\frac{1}{8}$ ") annealed glass lite separated by a U-shaped metal spacer system. The laminated glass unit is comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites with a 0.090 inch Dupont Butacite "ST" PVB interlayer.

Glazing Method Key:

GM-1: The insulating glass unit is set from the interior against a silicone glazing compound. A vinyl dual durometer glazing bead that is seated in silicone secures the insulating glass unit in place.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction.

Vent Construction: The vent members are manufactured from extruded vinyl (PVC). The vent corners are mitered and welded construction.

Reinforcement: Extruded aluminum reinforcement is utilized in the frame head and sill. The reinforcement extends the full length of the members.

Hardware:

- Roto operator; One (1) required; Located 9 inches from each end of the hinge jamb at the sill.
- Lock assembly; One (1) required; The handle is located $8\frac{3}{4}$ inches from the bottom of the lock jamb with the lock points located $2\frac{1}{4}$ inches, $15\frac{1}{2}$ inches, 29 inches, $42\frac{1}{2}$ inches, and 56 inches from the bottom of the lock stile.
- Snubber; 4 sets required; Located $16\frac{3}{8}$ inches, 30 inches, $43\frac{3}{8}$ inches, and 57 inches from the bottom of the hinge stile.
- Four bar hinge; Two (2) required; Locate at the top and bottom corners of the hinge stile.

Product Identification: A certification program label (NAMI) will be affixed to the window. The certification program label includes the manufacturer's name, product name: **Series 7550/7500 Casement**; performance characteristics; and approved inspection agency to indicate compliance with the requirements of AAMA/NWWDA 101/I.S.2-97 and ASTM E1886-02/E1996-02.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	$31\frac{7}{8}$	66	± 30
2	28	36	± 50

Impact Resistance: The window systems described in this report satisfy the Texas Department of Insurance criteria for protection from windborne debris in both the **Inland I zone** and the **Seaward zone**. The window systems passed Missile Level D in ASTM E 1996-02. The window systems may be installed at any height on the structure as long as the design pressure rating for the systems is not exceeded. These window systems will not require protection with an impact protective system.

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

INSTALLATION INSTRUCTIONS

General: The window system shall be installed in accordance with the manufacturer's installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir lumber. The windows shall be mounted to the wood wall framing members using the nailing fin of the window with minimum No. 10 x 2" screws. The fasteners shall be spaced approximately 2 inches from each corner and approximately 10 inches on center along the perimeter of the window. 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.