

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-527

Effective October 1, 2005

*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 07-09 StormBreaker Plus Vinyl Picture Replacement Windows, Impact Resistant, manufactured by

**Simonton Building Products, Inc.
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will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

Series 07-09 is a vinyl picture replacement window. The vinyl picture windows evaluated in this report include individual units. This product evaluation report is for a vinyl picture window based on the following tested assemblies:

General Description:

System	Description	Label Rating
1	Individual Vinyl Picture Window; (O)	F-R50 72 x 60

Product Dimensions:

System	Overall Size	Fixed Daylight Opening
1	72" x 60"	65 1/4" x 53 1/4"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	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.

Glazing Description Key:

IG-1: 1" thick insulating glass unit is comprised of a laminated glass unit on the exterior and a double strength (1/8") tempered glass lite on the interior separated by a foam spacer system. The

laminated glass unit is comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites with a 0.090 inch PVB interlayer.

PRODUCT DESCRIPTION (Continued)

Glazing Method Key:

GM-1: The insulating glass unit is interior glazed against a glazing compound and secured with dual durometer snap-fit glazing beads.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The upper frame corners are miter cut and thermally welded construction.

Sash Construction: The sash members are manufactured from extruded vinyl (PVC). The sash corners are mitered and thermally welded construction.

Reinforcement: None.

Product Identification: A certification program label will be affixed to the window. The certification program label includes the manufacturer's name, performance characteristics and approved inspection agency to indicate compliance with the requirements of AAMA/NWWDA 101/I.S.2 and compliance with AAMA 506-2000. The label indicates the manufacturer is Simonton.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	72	60	± 50

Impact Resistance: These window assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris in both the **Inland I zone** and the **Seaward zone**. The window assemblies passed Missile Level D specified in ASTM E 1996-01. The window assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded. These window assemblies will not need to be protected with an impact protective system.

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. This evaluation report applies to single unit applications.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be installed in accordance with the manufacturer's installation instructions. The wood wall framing members shall be minimum Spruce-Pine-Fir lumber.

Installation: The replacement windows shall be fastened to the wood framing members with #10 x 2 $\frac{1}{2}$ " long screws located 6" from each end and spaced 12" o.c. around the perimeter. The window shall be sealed with silicone sealant on the interior and exterior.

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.