

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-1021

Effective February 1, 2009

*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 **December 2011**.*

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.

Stormbreaker Plus 300 VL Series 07-09 Vinyl Horizontal Sliding Windows, Impact Resistant,
manufactured by

Simonton Building Products, Inc.
One Cochrane Avenue
Pennsboro, WV 26415-9403
(800) 426-2249

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.

PRODUCT DESCRIPTION

The Series 07-09 horizontal sliding windows are vinyl horizontal sliding windows. The vinyl horizontal sliding windows evaluated in this report are individual, impact resistant, windows. This product evaluation report is for vinyl horizontal sliding windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series 07-09 Vinyl Horizontal Sliding Window; (XO, OX)	HS-R50 73 x 62 (INS TEMP/LAM GL) AAMA 506-06

Product Dimensions:

System	Overall Size	Exterior Sash Size	Interior Sash Size
1	73" x 62"	35 ⁷ / ₈ " x 57 ³ / ₄ "	35 ⁷ / ₈ " x 57 ³ / ₄ "

Glazing Description:

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

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

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

Glass Construction Key:

IG-1: Both sashes contain a 1" thick sealed insulating glass unit. The sealed insulating glass unit is comprised of a laminated glass unit and a double strength ($\frac{1}{8}$ ") tempered glass lite separated by a desiccant-filled foam spacer system. The laminated glass unit is comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites with a 0.105" PVB interlayer. The glass thickness, type, and construction used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-02 and with ASTM E 1886-05 and ASTM E 1996-06.

Glazing Method Key:

GM-1: The insulating glass units are exterior glazed. The insulating glass is set against impact glazing compound and secured with rigid vinyl glazing beads.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction. The fixed meeting stile is secured to the frame head and sill with L brackets. The L bracketes are secured with two (2) screws.

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

Reinforcement (Simonton E9): Steel reinforcement is located in the horizontal sash rails, fixed meeting stile and jamb stiles. The vertical lock stile also has steel reinforcement, and the midspan of the head on the interior track has aluminum reinforcement.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code names (**SIM-1, 2 or 4**); product name: **Series 07-09**; performance characteristics; and approved inspection agency to indicate compliance with AAMA/WDMA 101/I.S.2-97 and AAMA 506-06.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	73	62	± 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 1996-006. 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: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

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

Installation: The window frame shall be fastened to minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing using the window frame nailing fin with minimum No. 10 x 2" long screws.

Head: Five (5) screws total, one located 6" from each corner on the interior frame track, one 3" on both sides of the midspan on the interior frame track and one fastener through the L bracket into the wall framing.

Sill: Four (4) flat head screws with rubber washers, one located 6" from each corner on the interior frame track, and one on either side side of the midspan

Jamb: Six (6) screws, one located a maximum of 6" from each corner and spaced a maximum of 12" o.c. thereafter.

The exterior perimeter is sealed with silicone sealant.

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.