

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

Effective August 1, 2009

WIN-653

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 **July 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.

Series 5700/8050 Vinyl Single Hung Windows, Non-impact Resistant, manufactured by

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Dallas, Texas 75247
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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 5700/8050 window is a vinyl single hung window. The vinyl single hung windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for vinyl single hung windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series 5700/8050 Vinyl Single Hung Window	H-R25 48 x 96
2	Series 5700/8050 Vinyl Single Hung Window; Single Unit with Sill Extender	H-R50 36 x 96
3	Series 5700/8050 Vinyl Single Hung Window; Triple Unit with Sill Extender	H-R40 108 x 84 (Triple)
4	Series 5700/8050 Vinyl Single Hung Window; Twin Unit with Sill Extender	H-R50 72 x 72 (Twin)

Product Dimensions:

System	Overall Size	Sash Size	Fixed Daylight Opening Size
1	47 1/2" x 95 1/2"	45 1/2" x 41 7/8"	44 3/4" x 50 3/4"
2	35 1/2" x 95 1/2"	34" x 41 3/4"	32 7/8" x 50 11/16"
3	108" x 84"	33 3/4" x 29 7/8"	33" x 51"
4	72" x 72"	33 3/4" x 35 3/4"	33" x 33"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1
2	IG-1	GM-1
3	IG-1	GM-1
4	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: The operable sash and the fixed sash contain sealed insulating glass units. The sealed insulating glass units are comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites separated by a desiccant filled aluminum butyl composite spacer system. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass units are exterior glazed with silicone backbedding compound. The insulating glass units are secured in placed with snap-in vinyl glazing beads.

Frame Construction: The frame members are manufactured from extruded polyvinyl chloride (PVC). The frame corners are mitered and welded construction. The fixed meeting rail is coped, butted, and secured to the jambs with screws. **Systems 3 and 4:** The frame at the head and sill is continuous.

Sill Extender (Systems 2-4): A vinyl snap-in sill extender is sealed to the sill of the frame.

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

Reinforcement: Extruded aluminum reinforcement is utilized in the fixed meeting rail and in the sash top rail. The reinforcement shall be of sufficient length to support each member.

Hardware (for each window):

Sweep lock; Two (2) required; Sash top rail.

Sash cam guide; Two (2) required; Lateral leg of each sash stile at top rail

Block and tackle balances; Two (2) required; One in each frame jamb

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**ADW-1**), product name: **Series 5700/8050 SH**, performance characteristics; the approved inspection agency (AAMA); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	47 $\frac{1}{2}$	95 $\frac{1}{2}$	± 25
2	35 $\frac{1}{2}$	95 $\frac{1}{2}$	± 50
3	108	84	± 40
4	72	72	± 50

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris 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 INSTRUCTIONS

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

Installation: The wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the nailing fin of the window with minimum No. 8 screws. The fasteners shall be located a maximum of 2 inches from each corner and a maximum of 8 inches along the perimeter of the window frame. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

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.