

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-312

Effective November 12, 2007
Revised May 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 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 5500 Vinyl Fixed Windows, Individual Windows, New Construction or Replacement Windows, Non-impact Resistant, manufactured by:

**The Don Young Company
8181 Ambassador Row
Dallas, TX 75247
(214) 630-0934**

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 5500 window is a vinyl fixed window. The vinyl fixed windows evaluated in this report are non-impact resistant windows. This product evaluation report is for vinyl fixed windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series 5500 Vinyl Fixed Windows; (O)	FW-C40 96 x 60
2	Series 5500 Vinyl Fixed Windows; (O)	FW-C35 64 x 84

Product Dimensions:

System	Overall Size	Fixed Daylight Opening Size
1	96" x 60"	91" x 55"
2	64" x 84"	59" x 79"

Glazing Description:

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

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 window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two $\frac{3}{16}$ " annealed glass lites separated by a rectangular aluminum spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is set from the interior against Novaflex structural silicone backbedding. A rigid vinyl snap-in glazing bead secures the insulating glass unit in place.

GM-2: The insulating glass unit is set from the interior against Novaflex structural silicone backbedding. A rigid vinyl snap-in glazing bead 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.

Reinforcement: None.

Hardware: None.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (DY-1); product name: **Series 5500 Picture**; 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	96	60	± 40
2	64	84	± 35

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:

Nailing Fin (New Construction): The wood wall framing members shall be minimum Spruce-Pine-Fir 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 spaced approximately 6 inches from each corner and approximately 6 inches on center along the perimeter of the window frame. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing members.

Frame (Replacement Windows): The wood wall framing members shall be minimum Southern Yellow Pine lumber. The window shall be mounted to the wood wall framing members using the window frame of the window with minimum No. 10 x 2 ½" screws.

System 1: Along each side jamb, a minimum of three (3) fasteners are required, evenly spaced. Along the head and sill, a minimum of three (3) fasteners are required, evenly spaced. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

System 2: Along each long dimension of the window frame, a minimum of three (3) fasteners are required, evenly spaced. Along each short dimension of the window frame, a minimum of two (2) fasteners are required, evenly spaced. 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.