

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-311

Effective May 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 5200 Vinyl Single Hung Windows, Individual 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 5200 window is a vinyl single hung window. The single hung window evaluated in this report is an individual, non-impact resistant window. This product evaluation report is for a vinyl single hung window based on the following tested construction:

General Description:

| System | Description | Label Rating |
|--------|--------------------------------------|---------------|
| 1 | Individual Single Hung Windows; (OX) | H-R35 44 x 60 |

Product Dimensions:

| System | Overall Size | Sash Size | Fixed Daylight Opening Size |
|--------|--------------|---|-----------------------------|
| 1 | 44" x 60" | 40 $\frac{3}{4}$ " x 29 $\frac{1}{8}$ " | 39" x 26 $\frac{3}{4}$ " |

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: The fixed lite and the operable 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 stainless steel spacer system or equivalent "Dura-Seal" or equivalent spacer system.

Glazing Method Key:

GM-1: The insulating glass unit in the fixed lite is set from the interior against silicone backbedding. A rigid vinyl snap-in glazing bead secures the insulating glass unit from the interior. The insulating glass unit in the operable sash is set from the exterior against silicone backbedding. A rigid vinyl snap-in glazing bead secures the insulating glass unit from the exterior.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and thermally welded construction. The fixed interlock is attached to the frame jambs with a zinc clip that is secured with screws.

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

Reinforcement: Extruded aluminum reinforcement is located in the fixed meeting rail.

Hardware:

| <u>Description</u> | <u>Location</u> |
|--------------------|-------------------------------|
| Cam locks | Each end of sash meeting rail |
| Keepers | Fixed meeting rail |
| Spiral balance | One in each jamb |
| Tilt pin | Lower sash corners |
| Tilt latch | Upper sash corners |

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.

LIMITATIONS

Design pressures:

| System | Maximum Width (in.) | Maximum Height (in.) | Design Pressures (psf) |
|--------|---------------------|----------------------|------------------------|
| 1 | 44 | 60 | ± 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. The wood wall framing members shall be minimum Southern Yellow Pine lumber.

Installation: 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 a maximum of 2 inches from each corner and a maximum of 6 inches on center along the perimeter of the window frame. The fasteners shall be long enough to penetrate a minimum of 1 ½" 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) and the International Building Code (IBC) and the Texas Revisions.