

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION WIN-1206

Effective November 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 February 2013.*

*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 200 Vinyl Picture Windows, Twin Muller, Impact Resistant, manufactured by:**

**Precision Window & Door**  
**1705 Wallace Drive, Suite 114**  
**Carrollton, Texas 75006**  
**Telephone: (972) 323-4999**

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 200 window is a vinyl fixed window. The vinyl fixed window evaluated in this report is a twin muller, impact resistant window. This window is installed using the nailing fin on the window frame. This product evaluation report is for a vinyl fixed twin muller window based on the following tested construction:

### General Description:

System	Description	Label Rating
1	Series 200 Vinyl Fixed Window; Twin; (O O)	FW-R50 108 x 83 AAMA 506-06

### Product Dimensions:

System	Overall Size	Individual Unit Size
1	107 $\frac{5}{8}$ " x 83 $\frac{3}{8}$ "	53 $\frac{13}{16}$ " x 83 $\frac{3}{8}$ "

### Glazing Description:

System	Glass Construction <sup>1</sup>	Glazing Method <sup>2</sup>
1	IG-1	GM-1

Note: <sup>1</sup> See the "Glass Construction Key" for the glazing construction.

<sup>2</sup> See the "Glazing Method Key" for the glazing method description.

**Glass Construction Key:**

IG-1: Each window contains a sealed insulating glass unit. The sealed insulating glass units are comprised of a laminated glass unit and a  $\frac{3}{16}$ " annealed glass lite separated by an aluminum Swiggle strip spacer system. The laminated glass unit is comprised of two double strength ( $\frac{1}{8}$ " annealed glass lites with a 0.090" PVB interlayer. The glass thickness in the insulating glass units of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

**Glazing Method Key:**

GM-1: The insulating glass units are set from the interior against Sikeflex 552 structural silicone sealant at the exterior and the lateral face of the insulating glass unit. A vinyl glazing bead secures the insulating glass unit in place at the interior.

**Frame Construction:** The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction. A mull cover is located at the interior and the exterior of the frame.

**Sash Construction:** N/A.

**Reinforcement:** Extruded aluminum reinforcement is secured to the window frame side jambs with two-sided tape at each side. The reinforcement extends the length of the members.

**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 (**PWD-1**); product name; **Series: 200 Fixed Fin**; performance characteristics; the approved inspection agency (AAMA); and the applicable standards: AAMA/WDMA/CSA 101/I.S.2/A440-05 and AAMA 506-06.

**LIMITATIONS**

**Design pressures:**

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	Overall (Twin): $107 \frac{5}{8}$ Individual: $53 \frac{13}{16}$	$83 \frac{3}{8}$	$\pm 50$

**Impact Resistance:** These window assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and the **Seaward zone**. The window assemblies passed Missile Level D specified in ASTM E 1996-04. 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.

**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 wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The window shall be secured to the wall framing using the nailing fin of the window with minimum No. 8 screws. The fasteners shall be located approximately 1 inch from each corner and approximately 6 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate 1 ½ inches into the wall framing.

**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.