

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

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## PRODUCT EVALUATION WIN-1524

Effective January 1, 2012

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 **May 2015**.

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 VF 1500 Deco Vinyl Fixed Windows, Impact Resistant**, manufactured by:

**U.S. Block Windows Company**  
**3000 East Johnson Avenue**  
**Pensacola, FL 32514**  
**(850) 473-0555**

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 VF 1500 window is a vinyl fixed window. The vinyl fixed windows evaluated in this report are individual, impact resistant windows. This product evaluation report is for vinyl fixed windows based on the following tested construction:

### General Description:

System	Description	Label Rating
1	Series VF 1500 Vinyl Fixed Window; O	FW-R50 48 x 60 (INS LAM/TEMP GL) AAMA 506-06

### Product Dimensions:

System	Overall Size	Fixed Daylight Opening Size
1	48" x 60"	44 <sup>3</sup> / <sub>4</sub> " x 56 <sup>3</sup> / <sub>4</sub> "

### 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: The window contains a 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 Truseal Dura-Lite spacer system. The laminated glass unit is comprised of one double strength ( $\frac{1}{8}$ " ) annealed glass lite, .090" PVB interlayer, and one exterior piece of  $\frac{1}{8}$ " annealed Obscure glass.

**Glazing Method Key:**

GM-1: GE 4400AC Ultra-Glaze is used on the exterior and the interior utilizes GE 2800 Sil-Glaze Thermoplastic Setting blocks silicone sealant. The vinyl glazing bead measures 0.800" wide x 0.700" high.

**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 (**USB**); product name: **Series: VF 1500 DECO**; performance characteristics; the approved inspection agency (AAMA); and the following applicable standards: AAMA/WDMA/CSA 101/I.S.2/A440-05. The certification program label also includes a tab that references AAMA 506-06 and that the product conforms to ASTM E 1886 and E 1996.

**LIMITATIONS**

**Design pressures:**

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	48	60	± 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 1996-05. 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 drawings and installation instructions are available from the manufacturer.

**Installation:** The wood wall framing members shall be minimum Southern Pine dimension lumber. The window assembly shall be secured to the wall framing through the flange frame (shear connection) of the window with minimum  $\frac{1}{4}$ " diameter x  $1\frac{1}{2}$ " lag screws. The fasteners shall be located approximately 6 inches from each corner and spaced approximately 12 inches on center thereafter. The fasteners shall be long enough to penetrate a minimum of  $1\frac{1}{2}$  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.