

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION

Effective January 1, 2004

WIN-327

*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.*

**Vinyl Casement Replacement Windows, Non-impact Resistant**, manufactured by

**Kensington Windows, Inc.**  
**1136 Industrial Road**  
**Vandergrift, PA 15690**  
**(724) 845-8133**

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 vinyl casement windows evaluated in this report are individual, non-impact resistant, replacement windows. This evaluation report includes individual, replacement, casement windows with dimensions up to 24" x 48". This report includes the following window construction:

### Description of System Tested:

**Overall Size:** 24" x 48"

**Configuration:** X

**Operable Vent:** 22 ½" x 46 ½"

### Glazing:

**Glazing Material:** The casement windows are constructed with sealed insulating glass units. The sealed insulating glass units are ⅞" thick and are comprised of two double strength (⅛") annealed monolithic glass lites with a "heat mirror" film suspended between the two lites of double strength glass. The glass is separated by a desiccant filled steel spacer system.

**Glazing Method:** The insulating glass unit is interior glazed against an adhesive foam tape backbedding and secured with snap-in leaf dual durometer rigid vinyl glazing beads.

### Frame Construction:

The frame is constructed of extruded vinyl. The frame and vent corners are mitered and welded.

**Reinforcement:** None.

**Hardware:**

- Metal snubbers fastened with two screws, located at 15.5" and 31" from sill on the hinge jamb.
- A single bar roto-operator assembly located on sill.
- A single bar hinge fastened with three screws, located at the top and bottom rails.
- A single metal locking handle with a two point integrated locking system located on the lock jamb.
- Metal keepers fastened with two screws located on the lock stile at the lock positions.

**Product Identification:** A label will be affixed to the window. The label includes the manufacturer's name, performance characteristics and approved inspection agency to indicate compliance with AAMA/NWWDA 101/I.S.2.

**LIMITATIONS**

Maximum Width (in.)	Maximum height (in.)	Design Pressure
24	48	± 70

**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 protection 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. This evaluation report applies to individual window installations.

**INSTALLATION INSTRUCTIONS**

**General:** The window assembly shall be installed in accordance with the manufacturer's installation instructions. The wood framing members shall be minimum Spruce-Pine-Fir lumber. All assemblies must comply with the limitations specified in this report.

**Installation:** The windows shall be mounted to the wood framing members with No. 8 x 2" long pan head metal screws through the pre-drilled installation holes in the jambs and in the head. One screw is located at each end of both jambs and one screw is located at the midspan of the head. There are no fasteners in the sill. The fasteners shall penetrate through the window frame and into the wood framing members.

A 1/2" x 3/4" wood blind stop is placed around the interior and exterior perimeter of the window frame. The wood blind stop is fastened to the wall framing with #6 x 1 5/8" long coarse thread drywall screws spaced 8" on center along the blind stops.

**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).