

# TEXAS DEPARTMENT OF INSURANCE

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**PRODUCT EVALUATION**  
WIN-612

Effective March 1, 2006  
Revised March 1, 2007

*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 0971 Vinyl Casement Replacement Windows, Non-Impact Resistant**, manufactured by

**Alside Window Company/Division of AMI**  
**3773 State Road**  
**Cuyahoga Falls, OH 44223**  
**(330) 922-5350**

and distributed under the following trade names:

**Alside**  
**Associated Materials, Inc.**  
**Gentek Building Products**  
**Revere Building Products**

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 0971 window is a vinyl casement replacement window. The vinyl casement windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for vinyl casement replacement windows based on the following tested constructions:

### General Description:

System	Description	Label Rating
1	Series 0971; Vinyl Casement Replacement Window; (X)	C-C45 36 x 78
2	Series 0971; Vinyl Casement Replacement Window; (X)	C-C50 36 x 60
3	Series 0971; Vinyl Casement Replacement Window; (X)	C-C70 24 x 48

### Product Dimensions:

System	Overall Size	Vent Size
1	36" x 78"	34 <sup>3</sup> / <sub>8</sub> " x 76 <sup>3</sup> / <sub>8</sub> "
2	36" x 60"	34 <sup>3</sup> / <sub>8</sub> " x 58 <sup>3</sup> / <sub>8</sub> "
3	24" x 48"	22 <sup>3</sup> / <sub>8</sub> " x 46 <sup>3</sup> / <sub>8</sub> "

**PRODUCT DESCRIPTION (Continued)**

**Glazing Description:**

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

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

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

**Glazing Description Key:**

IG-1: The vent contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two double strength ( $\frac{1}{8}$ " ) annealed glass lite separated by a desiccant-filled steel spacer system.

**Glazing Method Key:**

GM-1: The insulating glass unit is set onto double-sided adhesive glazing tape. The insulating glass unit is secured in place with a rigid vinyl glazing bead.

**Frame Construction:** The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction.

**Vent Construction:** The vent members are manufactured from extruded vinyl (PVC). The vent corners are mitered and welded construction.

**Reinforcement:** Custom shaped formed steel reinforcement is located inside the vent stiles and rails. The reinforcement extends the length of the members.

**Hardware:**

<u>Description</u>	<u>Location</u>
Multi-point lock system	Located in the lock jamb
Metal keepers	Located in the lock stile
Steel snubber	Located in the hinge stile/jamb, one at each $\frac{1}{4}$ points and at mid-span
Two bar hinge	Located at the head/top rail and sill/bottom rail
Dual arm rotary operator	Located in the sill

**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. The manufacturer's code on the AAMA label is UL-5.

**LIMITATIONS**

**Design pressures:**

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	36	78	± 45
2	36	60	± 50
3	24	48	± 70

### **LIMITATIONS (Continued)**

**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.

### **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 Spruce-Pine-Fir lumber. The window shall be mounted to the wood wall framing members using the frame of the window with minimum No. 6 x 2 ½ inch long screws. Each jamb is secured to the wall framing with minimum three (3) fasteners. The fasteners are located approximately 6 inches from each end of the jambs and one at the mid-span. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members. The window is sealed at the interior and exterior perimeter with silicone sealant except for an approximately 4" long void at each interior sill corner.

**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.