

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION WIN-11

Effective March 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 5 Vinyl Tilt Single Hung Window, Non-impact Resistant, manufactured by**

**Croft Metals, Inc.**  
**P.O. Box 826**  
**McComb, MS 39649**  
**(601) 684 - 6121**

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions (adhered to the glass), fastener location drawings by National Certified Testing Laboratories, and this product evaluation.

### **PRODUCT DESCRIPTION**

The Series 5 is a vinyl tilt single hung window. The single window evaluated in this report is an individual, non-impact resistant, window. This product evaluation report is for a single hung window based on the following tested construction:

#### **General Description:**

System	Description	Rating
1	Series 5 tilt single hung ; O/X	H-R40 36 x 74

#### **Product Dimensions:**

System	Overall Size	Sash Size
1	35 1/2" x 73 1/2"	33 3/4" x 36"

#### **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 Description Key" for the glazing construction.

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

#### **Glazing Description Key:**

IG-1: Sealed insulating glass units. The sealed insulating glass units are comprised of two single strength ( $\frac{3}{32}$ " ) annealed glass lites separated by a desiccant-filled metal spacer system.

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**Glazing Method Description Key:**

GM-1: The insulated glass units are interior glazed with a bedding compound. A vinyl snap-in glazing bead secures the glass unit from the interior.

**Frame Construction:** The frame members are constructed of extruded vinyl (PVC). The frame corners are mitered and welded construction. The fixed interlock is secured to the jambs with an aluminum bracket and four (4) screws.

**Sash Construction:** The sash members are constructed of extruded vinyl (PVC). The sash corners are mitered and welded construction.

**Reinforcement:** None.

**Hardware:**

Description

One plastic sweep lock – attached at the sash top rail

One spiral balance – located in each jamb

Vinyl sash stop – located at top of the interior jamb track

Plastic tilt latch – located at the sash top rail at each end

Metal tilt pin – located at the sash bottom rail at each end

**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

**Design pressures (DP):**

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	35 ½	73 ½	± 40

**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:** Windows 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 extrusion drawings are available from the manufacturer.

The nailing fin of the window frame shall be fastened to minimum Southern Yellow Pine dimension lumber. The fasteners shall be minimum No. 6 wood screws. The fasteners shall be spaced a maximum of 3" from each corner and a maximum of 12" on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 ½" into the wood wall framing.

**Note:** The manufacturer's installation instructions and fastener location drawings by National Certified Testing Laboratories 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).