

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION WIN-1052

Effective March 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 **October 2011**.*

*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.*

### Decorative Window/Art Glass Wood Fixed Window, Non-impact Resistant, manufactured by

**Glass Craft Door Company**  
**2002 Brittmoore Road**  
**Houston, Texas 77043-2209**  
**(800) 766-2196**  
**www.glasscraft.net**

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 decorative window/art glass window is a wood fixed window. The wood fixed windows evaluated in this report are individual, non-impact resistant, windows. This product evaluation report is for wood fixed windows based on the following tested construction:

#### General Description:

System	Description	Label Rating
1	Decorative Window/Art Glass Wood Fixed Window; (O)	FW-R65 50 x 50 Maximum Size Tested: 4'2" x 4'2"

#### Product Dimensions:

System	Overall Size	Fixed Daylight Opening Size
1	49 $\frac{7}{8}$ " x 49 $\frac{7}{8}$ "	46 $\frac{7}{8}$ " x 46 $\frac{7}{8}$ "

#### 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: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two double strength ( $\frac{1}{8}$ " ) fully tempered glass lites separated by an aluminum composite spacer system. The glass thickness in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

**Glazing Method Key:**

GM-1: The insulating glass unit is embedded in structural silicone. Wood glazing stops secure the insulating glass units in place with brads spaced approximately 2 inches from each corner and approximately 6 inches on center.

**Frame Construction:** The frame head, sill, and jambs consist of molded pine sections. There is a composite exterior stop. The composite frame component is secured to the frame with nails. The frame corners are secured with staples. A composite brick mould is attached to the exterior stop with nails. The top brickmould corners are mitered and joined using screws. The bottom brickmould corners are coped, butted, and fastened using screws.

**Product Identification:** A certification program label (NAMI) will be affixed to the window. The certification program label includes the manufacturer's name; product name: **Decorative Window/Art Glass Wood Fixed Window**; performance characteristics; the approved inspection agency (NAMI); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

**LIMITATIONS**

**Design pressures (DP):**

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	49 $\frac{7}{8}$	49 $\frac{7}{8}$	± 65

**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 prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

**Installation:** The window shall be fastened to minimum Spruce-Pine-Fir dimension lumber using the frame of the window with minimum No. 8 x 3" screws. The fasteners shall be spaced approximately 4 inches from each corner and approximately 16 inches on center along the perimeter of the window. All fasteners shall be long enough to penetrate a minimum of 1  $\frac{1}{2}$  inches into the wall framing members.

**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.