

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION WIN-1303

Effective July 1, 2010

*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 **April 2013**.*

*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 480 Aluminum Picture Windows, Non-impact Resistant, manufactured by**

**MI Windows and Doors, Inc.**  
**650 West Market Street**  
**Gratz, PA 17030-0370**  
**Telephone: (717) 365-3300**

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 480 window is an aluminum fixed window. The aluminum fixed windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for aluminum fixed windows based on the following tested construction:

### **General Description:**

System	Description	Label Rating
1	Series 480 Aluminum Fixed Window; (O)	FW-C45 96 x 72

### **Product Dimensions:**

System	Overall Size	Fixed Daylight Opening Size
1	96" x 72"	92 <sup>3</sup> / <sub>8</sub> " x 66 <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 two  $\frac{3}{16}$ " annealed glass lites separated by an aluminum reinforced butyl spacer system. The glass thickness and type used 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 set from the interior against silicone backbedding. Vinyl snap-in glazing bead secures the insulating glass unit in place.

**Frame Construction:** The frame members are manufactured from poured and debridged, thermally broken, extruded aluminum. The frame corners are coped, butted, sealed, and secured with screws.

**Sash Construction:** N/A.

**Reinforcement:** None.

**Hardware:** N/A.

**Product Identification:** A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**MTL-2**); product name: **4800 PW (FIN)**; performance characteristics; the approved inspection agency (AAMA); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

**LIMITATIONS**

**Design pressures:**

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	96	72	$\pm 45$

**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 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 drawings and installation instructions are available from the manufacturer.

**Installation:** The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing members using the nailing fin of the window with minimum No. 6 screws. The fasteners shall be spaced approximately 3 inches from each corner and approximately 12 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of  $1\frac{1}{2}$  inches into the wall framing members. The window shall be set in a bed of silicone.

**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.