

TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION WIN-1078

Effective May 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 **April 2012**.*

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.

CertainTeed Bryn Mawr II Vinyl Fixed Casement Windows, Replacement 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 CertainTeed Bryn Mawr II fixed casement window is a vinyl fixed casement window. The vinyl fixed casement windows may be installed as replacement windows. The vinyl fixed casement windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for vinyl fixed casement windows based on the following tested construction:

General Description:

System	Description	Label Rating
1	CertainTeed Bryn Mawr II Vinyl Fixed Casement Window; (X)	FW-C50 72 x 72

Product Dimensions:

System	Overall Size	Fixed Daylight Opening Size
1	72" x 72"	66" x 66"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² 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 a U-shaped spacer system that is embedded in sealant. 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 exterior onto a bed of structural silicone sealant. Snap-on dual-durometer glazing beads secure the insulating glass unit in place.

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

Sash Construction: The sash stiles and rails are constructed of extruded PVC (vinyl). The sash corners are mitered and welded construction. The sash is secured to the frame with screws.

Reinforcement: Extruded aluminum reinforcement is utilized in the frame head, sill, and side jambs. The reinforcement extends the length of the members.

Hardware: None.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**BUR-1**); product name: **Bryn Mawr II Fixed Casement**; 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	72	72	± 50

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 and this evaluation report. 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 mounted to the wood wall framing members using the frame of the window with minimum No. 8 x $1\frac{5}{8}$ " screws. The frame head and side jambs are secured to the wall framing. Along the head, a fastener shall be located approximately 3 inches from each corner and at the mid-span. Along each side jamb, the fasteners shall be spaced approximately 10 inches from each end and 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 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.