

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-1440

Effective September 1, 2011

*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 **February 2014**.*

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.

CW8 Aluminum Clad Wood Casement Windows, Non-impact Resistant, manufactured by

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5005 Veterans Memorial Highway
Holbrook, New York 11741
Telephone: (631) 563-4000

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 CW8 casement windows are aluminum clad wood casement windows. The aluminum clad wood casement windows evaluated in this report are individual, non-impact resistant, windows. This product evaluation report is for aluminum clad wood casement windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	CW8 Aluminum Clad Wood Casement Window; (X)	C-C40 36x60

Product Dimensions:

System	Overall Size	Vent Size
1	35 1/2" x 59 1/2"	33 3/4" x 57 3/4"

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 in the tested assembly is comprised of two double strength ($\frac{1}{8}$ ") fully tempered glass lites. The glass thickness 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 and wet-glazed with silicone and wood glazing beads secured with 1" staples.

Frame Construction: The frame members are constructed with wood with thermally broken aluminum clad over the wood. The corners have mortise and tenon construction.

Reinforcement: None.

Hardware:

- Lever operated multi-point lock; Located on the side jamb.
- Keepers; Three (3) required; Located on the vent stile.
- Steel snubber; Located on the side jamb and the vent stile.
- Hinges; Located on the side jamb and the vent stile.
- Roto operator; Located on the frame sill.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**FS-1**); product name: **CW8 Casement**; performance characteristics; the approved inspection agency (AAMA); 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	36	60	± 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 and this evaluation report. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The window frame shall be fastened to minimum Southern Pine dimension lumber. The window is secured to the wall framing using the window frame with minimum 10d x 2" long finishing nails. The windows are secured with four (4) nails in the head and the sill, and six (6) nails in each side jamb. For the side jamb, the nails are located 4 inches from the edge of the head and sill and two more equally spaced. For the head and sill, the nails are located 4 inches from each side jamb. The nails are placed side by side, 1 inch apart and 3 inches from the interior face of the frame.

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.