

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-1013

January 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 **March 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.

Series 93 Clad Wood Auxiliary Fixed Window, Non-impact Resistant, manufactured by:

Eagle Window and Door
2045 Kerper Blvd
Dubuque, IA 52001
563-556-2270
www.eaglewindow.com

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 93 Clad Auxiliary Fixed is an extruded aluminum clad wood fixed window. The aluminum clad wood fixed windows evaluated in this report are individual, non-impact resistant windows based on the following tested constructions.

General Description:

System	Description	Label Rating
1	Series 93 Clad Wood Auxiliary Fixed Window; (O)	FW-C75 (60x96)
2	Series 93 Clad Wood Auxiliary Fixed Window; (O)	FW-C55 (54x144)

Product Dimensions:

System	Overall Size	Fixed Daylight Opening Size
1	60" x 96"	56" x 92"
2	54" x 144"	50 1/8" x 140 1/8"

Glazing Description:

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

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 1/4" annealed glass sheets separated by a desiccant-filled metal 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.

IG-2: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two 1/4" heat strengthened glass sheets separated by a desiccant-filled metal 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 butyl rubber mastic and silicone. Wood glazing stops secure the insulating glass units in place from the interior. The wood glazing stops are secured to the frame with brads spaced one inch from each corner and 6 to 8 inches on center.

GM-2: The insulating glass unit is set from the interior against hot melt silicone glazing sealant. Wood glazing stops secure the insulating glass units in place from the interior. The wood glazing stops are secured to the frame with staples spaced one inch from each corner and 6" to 8" on center.

Frame Construction: The wood frame is comprised of laminated veneer lumber with corners square-cut, butted, sealed with silicone and secured with two staples and two corrugated fasteners per corner.

Aluminum Cladding: The extruded aluminum cladding is slip-fit over the wood frame members with the corners miter cut, silicone sealed, nylon corner keyed, and secured with three screws per corner.

Product Identification:

System 1: A certification program label (WDMA) will be affixed to the window. The certification program label includes the manufacturer's name, product name: **Clad Auxiliary Radius Aluminum Clad Frame**; performance characteristics; the approved inspection agency (WDMA); and the applicable standard: AAMA/WDMA/CSA I.S.2/A440-05.

System 2: A certification program label (WDMA) will be affixed to the window. The certification program label includes the manufacturer's name, product name: **Clad Auxiliary Aluminum Clad Frame**; performance characteristics; the approved inspection agency (WDMA); and the applicable standards: ANSI/AAMA/WDMA 101/I.S.2-97 and AAMA/WDMA/CSA I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	60	96	± 75
2	54	144	± 55

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.

Acceptance of Different Geometric Shapes: Radius and geometric shapes are acceptable provided that they fit within the inscribed dimensions specified in the table above and are 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:

System 1: The wall framing shall be a minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing with the nailing fin of the window and with the window frame. The nailing fin is secured to the wall framing with minimum 12 gauge smooth shank nails spaced approximately $3\frac{1}{2}$ inches from each corner and approximately 6 inches on center. The window frame is secured to the wall framing with minimum No. 10 screws. Along each side jamb, the fasteners are located approximately 6 inches from each end and one at the mid-span. Along the head and the sill, the fasteners are located approximately 6 inches from each end. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

System 2: The wall framing shall be a minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing with the nailing fin of the window and with masonry clips. The nailing fin is secured to the wall framing with minimum 12 gauge smooth shank nails spaced approximately 6 inches from each corner and approximately 6 inches on center. The masonry clips ($1\frac{1}{2}$ " x $6\frac{1}{2}$ " x 0.05" galvanized steel) are located approximately 24 inches from each end of the side jambs. The masonry clips are secured to the window frame with minimum four (4) No. 8 x $\frac{5}{8}$ " screws and to the wall framing with two (2) minimum No. 8 screws. All fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing,

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.