

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

Effective July 1, 2011

WIN-1424

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 **December 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.

Classic Aluminum Clad Wood Outswing Entrance Door Transom, Individual, Non-impact Resistant, manufactured by

Kolbe & Kolbe Millwork Co., Inc.
1323 South Eleventh Avenue
Wausau, WI 54401
(715) 842 - 5666

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 Classic aluminum clad wood outswing entrance door transom windows evaluated in this report are non-impact resistant. This product evaluation report is for aluminum clad wood outswing entrance door transom windows based on the following tested constructions:

General Description:

System	Description	Rating	Hallmark Certification
1	Classic Outswing Entrance Door Transom; Standard Performance	TR-C65 120 x 27 CW-PG65 120x27 - TR	413-H-1035.00 413-H-1035.01
2	Classic Outswing Entrance Door Transom; Standard Performance	FW-C55 96 x 60 CW-PG55 96x60 - FW	413-H-1042.00 413-H-1042.01

Product Dimensions:

System	Overall Size	Sash Size	Glass Size
1	120" x 27"	117 $\frac{3}{4}$ " x 24 $\frac{3}{4}$ "	113 $\frac{7}{8}$ " x 20 $\frac{7}{8}$ "
2	96" x 60"	93 $\frac{3}{4}$ " x 57 $\frac{3}{4}$ "	89 $\frac{7}{8}$ " x 53 $\frac{7}{8}$ "

Glazing Description:

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

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

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: Sealed insulating glass unit. The sealed insulating glass unit is comprised of two $\frac{5}{32}$ " annealed glass lites separated by a desiccant filled stainless steel spacer system. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

IG-2: Sealed insulating glass unit. The sealed insulating glass unit is comprised of two $\frac{5}{32}$ " annealed glass lites separated by a desiccant filled stainless steel spacer system. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The glass is set from the interior onto a bed of silicone sealant. Along the interior, mitered wood glazing stops are secured with brads spaced 2" from each corner and 8" on center.

Frame Construction: The frame members consist of molded pine. The corners are rabbeted, butted, sealed with silicone, and secured with screws. Interior wood stops are secured with staples. **Aluminum cladding:** Roll-formed extruded aluminum cladding is snap-fit over the wood members.

Sash Construction: The sash members consist of molded pine. The sash corners are mortise and tenon construction. **Aluminum cladding:** Roll-formed extruded aluminum cladding is snap-fit over the wood members.

Product Identification: A certification program (WDMA Hallmark Certified) label will be affixed to the assembly. The certification program label includes the manufacturer's name, product name, performance characteristics, the approved inspection agency (WDMA), and the following applicable standards: AAMA/WDMA/CSA 101/I.S.2/A440-05 and AAMA/WDMA/CSA 101/I.S.2/A440-08.

LIMITATIONS

Design pressures (DP):

System	Overall Width (in.)	Overall Height (in.)	Design Pressure (psf)
1	120	27	± 65
2	96	60	± 55

Impact Resistance: This window assembly does not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. This window assembly will need to be protected with an impact protective system.

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

Installation:

Option 1: The window assembly shall be fastened to minimum Southern Yellow Pine lumber. The window assembly is secured to the wall framing using Kolbe & Kolbe metal installation clips. The installation clips (1 $\frac{5}{8}$ " x 10 $\frac{1}{16}$ " x 0.04") are secured to the window frame side jambs, head, and sill. The clips are secured to the window frame with two (2) No. 8 x $\frac{3}{4}$ " screws. The clips are secured to the wall framing with one (1) No. 8 x 1 $\frac{3}{4}$ " screw. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ " into the wall framing. The spacing of the clips is specified in the table below.

Installation Clip Spacing:

System	Distance From Each Corner	Head (on center spacing)	Sill (on center spacing)	Side Jambs (on center spacing)
1	Head/Sill: 20" Side Jambs: 13 $\frac{1}{2}$ "	20"	20"	None
2	Head/Sill: 12" Side Jambs: 15"	12"	12"	15"

Option 2: The window assembly shall be fastened to minimum Southern Yellow Pine lumber. The window assembly is secured to the wall framing using the window frame with minimum No. 10 screws. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing. The spacing of the fasteners is specified in the table below.

Fastener Spacing:

System	Distance From Each Corner	Head (on center spacing)	Sill (on center spacing)	Side Jambs (on center spacing)
1	Head/Sill: 15" Side Jambs: 13 $\frac{1}{2}$ "	15"	15"	None
2	Head/Sill: 8 $\frac{3}{4}$ " Side Jambs: 12"	8 $\frac{3}{4}$ "	8 $\frac{3}{4}$ "	12"

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) and the International Building Code (IBC).