

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-1297

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 January 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.

Wood Ultimate Casement Picture Window, Wood Window, Non-impact Resistant, manufactured by

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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 report.

PRODUCT DESCRIPTION

The wood ultimate awning windows are prime wood awning windows. The prime wood awning windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for prime wood awning windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Wood Ultimate Casement Picture Window; (O)	CW-PG50-FW 72 x 72.06
2	Wood Ultimate Casement Picture Window; (O)	CW-PG50-AP 88 x 97.06

Product Dimensions:

System	Overall Size	Sash Size	Fixed Daylight Opening
1	72 x 72 $\frac{1}{16}$ "	70 $\frac{5}{16}$ " x 69 $\frac{7}{16}$ "	66 $\frac{1}{4}$ " x 65 $\frac{3}{8}$ "
2	88 x 97 $\frac{1}{16}$ "	86 $\frac{5}{16}$ " x 94 $\frac{7}{16}$ "	82 $\frac{1}{4}$ " x 90 $\frac{3}{8}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	SG-1	GM-1
2	SG-2	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:

SG-1: The sash contains a $\frac{1}{4}$ " fully annealed glass lite. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

SG-2: The sash contains a $\frac{1}{4}$ " fully tempered glass lite. 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 lite is set from the exterior and is sealed along the interior and the exterior against Manus 35MP. The glass lite is secured in place from the exterior with wood glazing stops that are secured with brad nails.

Frame Construction: The frame head, sill, and side jambs consist of wood members with step/butt joints. The frame corners are secured with staples. A subsill is applied to the screws. **Brickmould:** A brickmould is secured to the frame head and side jambs with nails.

Sash Construction: The sash members consist of wood members with slot and tenon construction at the corners. The sash corners are secured with staples. The sash is secured to the frame with brackets. The brackets are secured to the frame and to the sash with screws.

Hardware: None.

Product Identification: A certification program label (WDMA Hallmark Certified) will be affixed to the window. The certification program label includes the manufacturer's name; product name: **Wood Ultimate Casement Picture**; 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	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	72	$72 \frac{1}{16}$	± 50
2	88	$97 \frac{1}{16}$	± 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: 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 prepared and installed in accordance with the manufacturer's recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation:

System 1: The window shall be fastened to minimum Southern Yellow Pine dimension lumber along the head and side jambs using the brickmould with minimum 0.135" diameter x $3 \frac{1}{2}$ " diameter smooth shank nails. The fasteners shall be spaced approximately 6 inches from each corner and

approximately 10 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing members.

System 2: The window shall be fastened to minimum Southern Yellow Pine dimension lumber along the side jambs with minimum No. 8 x 3" screws. The fasteners shall be spaced approximately 4 inches from each corner and approximately 15 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing members.

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.