

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-501

Effective September 1, 2005

*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 3 years after the effective date.*

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.

Vinyl Clad Wood Awning Window, Non-impact Resistant, manufactured by

Andersen Corporation
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Bayport, MN 55003-1096
Telephone: (651) 264-5150

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when assembled and installed in accordance with the manufacturer's installation instructions, this product evaluation report, and drawings referenced in this product evaluation report.

PRODUCT DESCRIPTION

The awning window is a vinyl clad wood window. The window evaluated in this report is an individual, non-impact resistant window. This evaluation report includes an awning window based on the following tested construction:

General Description:

System	Description	Label Rating
1	Vinyl Clad Wood Awning Window; Series AW51; (X)	AP-R35 60 x 29

Product Dimensions:

System	Overall Window Size	Vent Size
1	59 $\frac{7}{8}$ " x 28 $\frac{5}{16}$ "	58 $\frac{5}{16}$ " x 27 $\frac{1}{4}$ "

Glazing Description:

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

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

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

Glazing Description Key:

IG-1: Sealed insulating glass unit. The sealed insulating glass unit is comprised of two single strength ($\frac{3}{32}$ ") lites separated by a desiccant-filled aluminum spacer system. The exterior lite is annealed. The interior lite is heat strengthened.

Glazing Method Key:

GM-1: The insulating glass unit is set from the interior against silicone backbedding with a dual durometer vinyl glazing bead used on the exterior.

Frame Construction: The frame members are molded pine sections. The frame corners are coped and secured with staples. **Cladding:** Vinyl (PVC) cladding is bonded over the exterior frame members.

Vent Construction: The vent members are molded pine sections. The vent corners are miter cut and are secured with staples. **Cladding:** Vinyl (PVC) cladding is bonded over the exterior vent members. The vinyl corners are mitered and welded.

Hardware:

<u>Description</u>	<u>Location</u>
Roto-operator with single arm	Sill
Hinge assembly with plastic slide	Top corners of vent
Metal sweep locks with keepers	8 $\frac{1}{2}$ " up from sill on jambs with keepers on the vent

Product Identification: A label will be affixed to the window. The label includes the manufacturer's name, performance characteristics and approved inspection agency to indicate compliance with AAMA/NWWDA 101/I.S.2.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	59 $\frac{7}{8}$	28 $\frac{5}{16}$	± 35

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 windows shall be assembled and installed in accordance with the manufacturer's installation instructions and as specified in this report. The window assembly shall be fastened to minimum Spruce-Pine-Fir wood framing members.

Anchorage: The windows are secured to the wood wall framing members using the vinyl nailing flange. The nailing flange is secured to the wall framing with roofing nails (minimum smooth shank diameter of $\frac{1}{8}$ "). The roofing nails are spaced a maximum of 3 inches from each corner and a maximum of 6 inches

on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wood 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.