

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-900

Effective December 1, 2007

*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.

Series 800 Vinyl Double Hung Windows, Individual and Twin, Non-impact Resistant, manufactured by:

Showcase Custom Vinyl Windows and Doors
A product of ENLIGHT Industries, LLC
4902 Gulf Freeway
Houston, Texas 77023
Telephone: (713) 926-8500

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 800 window is a vinyl double hung window. The vinyl double hung windows evaluated in this report are individual and twin, non-impact resistant windows. This product evaluation report is for vinyl double hung windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series 800; Individual Vinyl Double Hung Windows; (X/X)	H-R30 44 x 72
2	Series 800; Twin Vinyl Double Hung Window; (X/X X/X)	H-R30 88 x 72

Product Dimensions:

System	Overall Size	Upper Sash Size(s)	Lower Sash Size(s)
1	44" x 72"	40 ⁵ / ₈ " x 33 ¹ / ₁₆ "	41 ⁵ / ₈ " x 33 ¹ / ₁₆ "
2	88 ¹ / ₄ " x 72"	40 ⁵ / ₈ " x 33 ¹ / ₁₆ "	41 ⁵ / ₈ " x 33 ¹ / ₁₆ "

Glazing Description:

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

Glazing Construction Key:

IG-1: Both operable sashes contain sealed insulating glass units. The sealed insulating glass units are comprised of two double strength ($\frac{1}{8}$ ") annealed glass lite separated by a Swiggle strip 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 1300-00.

Glazing Method Key:

GM-1: The insulating glass units are exterior glazed with a silicone backbedding compound at the interior. A vinyl (PVC) snap-in glazing bead secures the insulating glass unit at the exterior.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction.

Sash Construction: The sash members are manufactured from extruded vinyl (PVC). The sash corners are mitered and welded construction.

Reinforcement: None.

Hardware:

- Lock; Two (2) required; Located $8\frac{3}{4}$ inches from each end of the sash top rail attached with two (2) screws.
- Keeper; Two (2) required; Located opposite the locks on the secondary sash bottom rail. Attached with screws.
- Spiral type balance; Four (4) required; Two per sash, located in each jamb.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**SHO-1**); **Series 800 DH**; performance characteristics; and approved inspection agency to indicate compliance with the requirements of ANSI/AAMA/NWDA 101/I.S.2.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	44	72	± 30
2	$88\frac{1}{4}$	72	± 30

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: 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 installed in accordance with the manufacturer's installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir lumber. The window shall be secured to the wall framing using the nailing fin of the window with minimum 8d ring shank nails. The fasteners shall be spaced approximately 2 inches from each corner and approximately 6 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 ½" 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.