

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-453

Effective June 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.

Series 9500 Vinyl Horizontal Slider Windows, Non-impact Resistant, manufactured by

Modern Window and Doors, Inc.
2200 Spring Street
Hot Springs, Arkansas 71901
(800) 835-8998

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 9500 window is a vinyl single horizontal slider window. The horizontal slider window evaluated in this report is an individual, non-impact resistant window. This product evaluation report is for vinyl horizontal slider window based on the following tested construction:

General Description:

System	Description	Label Rating
1	Series 9500; Individual Horizontal Slider Window; (XO)	HS-LC50 76 x 54

Product Dimensions:

System	Overall Size	Sash Size
1	76" x 54"	37" x 50 ³ / 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: The fixed lite and the operable sash contain sealed insulating glass units. The sealed insulating glass units are comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites separated by a Swiggle™ spacer system.

Glazing Method Key:

GM-1: The insulating glass units are set from the interior against DOW Corning #995 structural silicone backbedding at the interior and the heel of the glass along the full perimeter. A dual durometer snap-in glazing bead secures the insulating glass units from the interior.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction. The fixed interlock is attached to the frame head and sill with one (1) No. 8 screw at each end.

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

Reinforcement: Extruded steel C-channel reinforcement is located in all of the fixed and sash members, full perimeter. The reinforcement is attached to the frame members with screws.

Hardware:

<u>Description</u>	<u>Location</u>
Cam action locks	Each end of sash lock stile, attached with screws
Keepers	Attached to fixed interlock stile with screws
Plastic tilt latch	Bottom of fixed interlock/top and bottom of sash lock stile
Tandem metallic rollers	Each end of and midpoint of sash bottom rail

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

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	76	54	± 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 used 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. The wood wall framing members shall be minimum Southern Yellow Pine lumber.

Installation: The window assemblies may be installed with or without a nailing fin. As a minimum, the window frame shall be installed with steel clips (4.75" x 1.125" x 0.025" thick) that are slotted and twist into groove of the frame. Along the frame head and sill, a clip shall be located approximately 8 inches

from each end and one at the mid-span. Along the frame jambs, the clips are located approximately 8 inches from each end. The clips are attached to the frame with one (1) minimum No.8 x $\frac{5}{8}$ " metal screw at the exterior slot of the clip and one (1) minimum No. 8 x 1" metal screw at the clips interior slot. Each clip is attached to the wood framing members with one (1) minimum No. 8 x 1" wood screw. In the presence of a nailing fin, the window assembly fin may also be secured to the wood framing members with a continuous bead of silicone and with minimum No. 8 wood screws spaced within 6 inches from each corner and a maximum of 8 inches on center along the perimeter of the frame. The fastener shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ " 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) and the International Building Code (IBC) and the Texas Revisions.