

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-1257

Effective March 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 **May 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.

Series 1950/Bridgewood Vinyl Double Hung Windows, Non-impact Resistant, manufactured by

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650 West Market Street
Gratz, PA 17030-0370
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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.

PRODUCT DESCRIPTION

The Series 1950/Bridgewood double hung window is a cellular vinyl double hung window. The cellular vinyl double hung windows evaluated in this report are individual, 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 1950/Bridgewood Vinyl Double Hung Window; (X/X)	H-R25 46 x 80
2	Series 1950/Bridgewood Vinyl Double Hung Window; (X/X)	H-R35 38 x 77
3	Series 1950/Bridgewood Vinyl Double Hung Window; (X/X)	H-R35 38 x 65

Product Dimensions:

System	Overall Size	Lower Sash Size	Upper Sash Size
1	45 $\frac{7}{8}$ " x 80"	42 $\frac{13}{16}$ " x 38 $\frac{7}{8}$ "	42 $\frac{1}{4}$ " x 38 $\frac{3}{4}$ "
2	37 $\frac{7}{8}$ " x 76 $\frac{3}{4}$ "	34 $\frac{3}{4}$ " x 38"	34 $\frac{1}{8}$ " x 37 $\frac{3}{4}$ "
3	37 $\frac{7}{8}$ " x 65"	34 $\frac{13}{16}$ " x 31 $\frac{5}{8}$ "	34 $\frac{3}{16}$ " x 31 $\frac{1}{2}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1
2	IG-1	GM-1
3	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.

Glass Construction Key:

IG-1: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two single strength ($\frac{3}{32}$ "") annealed glass lites separated by a U-shaped 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 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is set from the interior onto a bed of structural silicone sealant. Cellular snap-in vinyl glazing beads secure the insulating glass unit in place.

Frame Construction: The frame members are manufactured from extruded cellular PVC (vinyl). The frame corners are mitered and welded construction. The sill/jamb corners are coped, butted, welded, and fastened with three (3) screws each.

Sash Construction: The sash stiles and rails are constructed of extruded cellular PVC (vinyl). The sash corners are a modified dovetail construction, secured with one (1) screw per corner.

Reinforcement: None.

Hardware:

- Jamb liner balance assembly; Two (2) required; One in each side jamb.
- Metal lock with adjacent keeper; Two (2) required; Located on the interior meeting rail, 7 inches from each end.
- Metal pivot bar; Four (4) required; Located at each end of the exterior meeting rail.
- Plastic tilt latches; Four (4) required; Located at each end of the top rail and the interior meeting rail.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**MTL-2**); product name: **Bridgewood 1950 DH**; performance characteristics; the approved inspection agency (AAMA); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	45 $\frac{7}{8}$	80	± 25
2	37 $\frac{7}{8}$	76 $\frac{3}{4}$	± 35
3	37 $\frac{7}{8}$	65	± 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: 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 and this evaluation report. Detailed drawings and installation instructions are available from the manufacturer.

Installation:

Systems 1 and 2: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the nailing fin of the window with minimum No. 6 x 1 $\frac{5}{8}$ " screws. The fasteners shall be spaced approximately 3 inches from each corner and approximately 10 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing members.

System 3: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the window frame side jambs with minimum No. 8 screws. The fasteners shall be located approximately 3 inches from each corner and one at the mid-span. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing members. The window shall be set in a bed of silicone.

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.