

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-1449

Effective September 1, 2011

*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 2015**.*

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.

Vista Panorama Vinyl Single Hung Windows, Individual, Non-impact Resistant, manufactured by:

Vista Window Company
401 Steven Taylor Blvd
Steven W. Taylor Industrial Park
McAlester, Oklahoma 74501
Telephone: (918) 426-4242

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 Panorama series windows are vinyl single hung windows. The vinyl single hung windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for vinyl single windows based on the following tested construction:

General Description:

System	Description	Label Rating
1	Panorama Vinyl Single Hung Window; (O/X)	R-PG35 52 x 71
2	Panorama Vinyl Single Hung Window; (O/X)	R-PG50 36 x 63

Product Dimensions:

System	Overall Size	Operating Sash Size	Fixed Daylight Opening Size
1	52" x 71"	49 $\frac{7}{8}$ " x 34 $\frac{5}{16}$ "	47" x 31 $\frac{9}{16}$ "
2	36" x 63"	33 $\frac{13}{16}$ " x 30 $\frac{5}{16}$ "	31 $\frac{1}{16}$ " x 27 $\frac{1}{2}$ "

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 Description Key" for the glazing method description.

Glass Construction Key:

IG-1: Both operable sashes contain sealed insulating glass units. The sealed insulating glass units are comprised of two single strength ($\frac{3}{32}$ ") annealed glass lites separated by a U-shaped steel spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller units shall comply with ASTM E 1300-04.

Glazing Method Description Key:

GM-1: The insulated glass units are set against double-sided adhesive tape. The insulating glass units are secured in place with rigid vinyl glazing beads.

Frame Construction: The frame members are constructed of extruded polyvinyl chloride (PVC). The frame corners are mitered and welded construction. The fixed meeting rail is coped, butted, and secured to the side jambs with screws.

Sash Construction: The sash members are constructed of extruded PVC. The sash corners are mitered and welded construction.

Reinforcement: Custom shaped steel reinforcement is utilized in the fixed meeting rail and all of the operable sash members. The reinforcement extends the full length of the members.

Hardware:

- Metal cam-type lock and keeper; Two (2) required; Located on the lock rail. Engages metal keepers located on the fixed meeting rail.
- Constant force balance system with locking tilt shoes; Two (2) required; One (1) per side jamb.
- Plastic tilt latch; Two (2) required; Located on the lock rail, one at each end.
- Metal pivot bar; Two (2) required; Located on the bottom rail, one at each end.

Product Identification:

System 1: A certification program label (Keystone Certification Program) will be affixed to the window. The certification program label includes the product name: **Panorama Single Hung**; the Certification Authorization Report number: **(671-141)**; performance characteristics; the approved inspection agency (Keystone); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-08.

System 2: A certification program label (Keystone Certification Program) will be affixed to the window. The certification program label includes the product name: **Panorama Single Hung**; the Certification Authorization Report number: **(671-142)**; performance characteristics; the approved inspection agency (Keystone); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-08.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	52	71	± 35
2	36	63	± 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 not need to be protected with an impact protective system.

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 manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The wall framing shall be minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing members using the window frame side jambs with minimum No. 8 x 2 ½" screws. The fasteners are located approximately 3 ¼ inches from each end of each side jamb. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches 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.