

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
WIN-1644

Effective Date: October 1, 2012
Reevaluation Date: **January 2016**

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 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.

Sunrise Coastal Vinyl Double Hung Windows, Replacement Construction, Non-impact Resistant, manufactured by

Sunrise Windows, Ltd.
200 Enterprise Drive
Temperance, Michigan 48182
Telephone: (734) 847-8778

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Sunrise Coastal Vinyl Double Hung Windows; X/X	R-PG50 40 x 76-Type H	± 50 psf

Product Dimensions:

System	Overall Size	Interior Sash Size	Exterior Sash Size
1	44" x 76"	41" x 37 1/2"	40" x 36 1/2"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 64-123
	Product Name	Sunrise Coastal Double Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

Wood Wall Framing: The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The windows shall be secured to the wall framing using the frame of the window with minimum No. 8 x 2 3/4" screws. Along the head and sill, one (1) fastener shall located at the mid span. Along each side jamb, the fasteners shall be located approximately 3 inches from each corner and one (1) approximately 6 inches above and below the meeting rails. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing.

Concrete Block Wall Construction: The wall framing members shall be hollow concrete block with a minimum compressive strength of 1,500 psi. The windows shall be secured to the wall framing using the frame of the window with minimum $\frac{3}{16}$ " ITW Tapcons. Along the head and sill, one (1) fastener shall be located at the mid span. Along each side jamb, the fasteners shall be located approximately 3 inches from each corner and one (1) approximately 6 inches above and below the meeting rails. The fasteners shall be long enough to penetrate a minimum of 1 inch into the wall framing. The fasteners shall be located a minimum of 2 inches from the concrete block edge.

Concrete Wall Construction: The wall framing members shall be concrete with a minimum compressive strength of 2,000 psi. The windows shall be secured to the wall framing using the frame of the window with minimum $\frac{3}{16}$ " ITW Tapcons. Along the head and sill, one (1) fastener shall be located at the mid span. Along each side jamb, the fasteners shall be located approximately 3 inches from each corner and one (1) approximately 6 inches above and below the meeting rails. The fasteners shall be long enough to penetrate a minimum of 1 inch into the wall framing. The fasteners shall be located a minimum of $2\frac{1}{4}$ inches from the concrete block edge.

Steel Wall Framing: The wall framing members shall be minimum 20 gauge steel. The windows shall be secured to the wall framing using the frame of the window with minimum No. 10 ITW Buildex Tekes. Along the head and sill, one (1) fastener shall be located at the mid span. Along each side jamb, the fasteners shall be located approximately 3 inches from each corner and one (1) approximately 6 inches above and below the meeting rails. The fasteners shall be long enough to penetrate a minimum of 3 threads 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.