

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION

WIN-1889

Effective Date: April 1, 2014

Reevaluation Date: **May 2015**

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.

Windquest V707 Vinyl Patio Door Sidelite, Impact Resistant, manufactured by

Kolbe & Kolbe Millwork Co., Inc.
 1323 South Eleventh Avenue
 Wausau, Wisconsin 54401
 Telephone: (715) 842-5666

General Description:

System	Description	Label Rating	Design Pressure Rating (psf)	HallMark Certification
1	Windquest V707 Vinyl Patio Door Sidelite	R-PG50 51 x 96 – SLT SLT-R50 51 x 96 Missile Level D	+50 / -50	416-H-984.00 416-H-984.01 416-H-984.02 416-H-985.00 416-H-985.01 416-H-986.00 416-H-986.01 416-H-987.00 416-H-987.01

Product Dimensions:

System	Overall Size	Fixed Panel Size	Glass Daylight Opening Size
1	51.00" x 96.00"	49.00" x 92.75"	38.50" x 82.25"

Product Identification (Certification Agency Label on Window):

System	Certification Agency Label on Window	
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork, Co., Inc.
	Product Name	Windquest V707 Sidelite
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM e 1886, ASTM E 1996, Missile Level D

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation:

Design Drawings: Drawing No. 08-02164, titled "Windquest V707 Side Lite 51" x 96," sheets 1 through 8 of 8, dated July 23, 2013, signed and sealed by Luis R. Lomas., P.E on July 23, 2013. The stated drawings will be referred to as the approved drawings in this evaluation report.

Wall Framing Construction: The windows may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 3,192 psi)
- Hollow concrete block (ASTM C-90, Grade N, Type 1 (or greater))
- Wood dimension lumber (minimum Spruce-Pine-Fir)
- Steel (18 gauge, 33 ksi)
- Aluminum (6063-T5, 1/8" thick)

Installation Details:

- Refer to Sheet 1 of 8 of the approved drawings for notes.
- Refer to Sheet 2 of 8 of the approved drawings for elevations and anchor locations.
- Refer to Sheets 4 of 8 thru 8 of 8 of the approved drawings for installation details.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

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.