

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
WIN-1603

Effective Date: June 1, 2012 (Revised: May 1, 2014)
Reevaluation Date: **February 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.

Fiberglass Double Hung and Insert Double Hung Windows, Non-impact Resistant, manufactured by

Infinity from Marvin Windows and Doors
1512 9th Street NE
West Fargo, North Dakota 58078
Telephone: (800) 372-1072

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|---|-----------------------------------|------------------------|
| 1 | Fiberglass Insert Double Hung Window; Equal | LC-PG30 40 x 96 | ± 30 psf |
| 2 | Fiberglass Double Hung Window; Equal | LC-PG30 40 x 96 | ± 30 psf |
| 3 | Fiberglass Double Hung Windows | LC-PG30 48 x 86 H-LC30 48 x 86 | ± 30 psf |
| 4 | Fiberglass Insert Double Hung Windows | LC-PG30 48 x 86 H-LC30 48 x 86 | ± 30 psf |
| 5 | Fiberglass Double Hung Window; Equal | LC-PG30 48 x 96 | ± 30 psf |
| 6 | Fiberglass Double Hung Window; Oriel | LC-PG30 48 x 96 | ± 30 psf |
| 7 | Fiberglass Insert Double Hung Window; Oriel | LC-PG30 48 x 96 | ± 30 psf |
| 8 | Fiberglass Double Hung Window; Equal | LC-PG30 48 x 96 | ± 30 psf |
| 9 | Fiberglass Double Hung Window; Equal | LC-PG25 54 x 72 | ± 25 psf |
| 10 | Fiberglass Insert Double Hung Window; Equal | LC-PG25 54 x 72 | ± 25 psf |
| 11 | Fiberglass Double Hung Window; Equal | LC-PG25 54 x 85 | ± 25 psf |
| 12 | Fiberglass Double Hung Window; Oriel | LC-PG25 54 x 85 | ± 25 psf |
| 13 | Fiberglass Insert Double Hung Window; Oriel | LC-PG25 54 x 85 | ± 25 psf |

General Description (continued):

| System | Description | Label Rating | Design Pressure Rating |
|--------|---|-----------------------------------|------------------------|
| 14 | Fiberglass Insert Double Hung Window; Equal | LC-PG25 54 x 85 | ± 25 psf |
| 15 | Fiberglass Double Hung Windows | LC-PG25 54 x 85 H-LC25 54 x 85 | ± 25 psf |
| 16 | Fiberglass Insert Double Hung Windows | LC-PG25 54 x 85 H-LC25 54 x 85 | ± 25 psf |

Product Dimensions:

| System | Overall Size | Interior Sash Size | Exterior Sash Size |
|--------|-----------------|--------------------|--------------------|
| 1 | 39.81" x 96.00" | 37.88" x 47.88" | 37.88" x 47.44" |
| 2 | 40.00" x 96.25" | 37.81" x 47.88" | 37.81" x 47.44" |
| 3 | 48.00" x 86.50" | 45.88" x 43.13" | 45.88" x 42.63" |
| 4 | 48.00" x 86.50" | 46.06" x 43.13" | 46.06" x 42.63" |
| 5 | 48.19" x 96.13" | 46.06" x 42.88" | 46.06" x 47.94" |
| 6 | 48.19" x 96.13" | 46.06" x 32.75" | 46.06" x 62.50" |
| 7 | 48.00" x 96.00" | 46.06" x 32.78" | 46.06" x 62.53" |
| 8 | 48.00" x 96.00" | 46.06" x 47.88" | 46.06" x 47.44" |
| 9 | 54.19" x 72.13" | 52.06" x 35.88" | 52.06" x 35.44" |
| 10 | 54.00" x 72.00" | 52.06" x 35.88" | 52.06" x 35.44" |
| 11 | 54.19" x 85.13" | 52.06" x 42.38" | 52.38" x 83.63" |
| 12 | 54.19" x 85.13" | 52.06" x 29.13" | 52.06" x 55.19" |
| 13 | 54.00" x 85.00" | 52.06" x 29.13" | 52.06" x 55.19" |
| 14 | 54.00" x 85.00" | 52.06" x 42.38" | 52.06" x 41.94" |
| 15 | 54.00" x 85.00" | 51.88" x 42.31" | 51.88" x 41.88" |
| 16 | 54.00" x 85.00" | 51.88" x 42.31" | 51.88" x 41.88" |

Product Identification (Certification Agency Label on Window):

| System | Certification Agency | WDMA |
|-------------------------|----------------------------------|---|
| 1, 7, 8, 11, 13, 14, 16 | Manufacturer's Name or Code Name | Infinity from Marvin Windows and Doors |
| | Product Name | Infinity Insert Double Hung |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11; AAMA/WDMA/CSA 101/I.S.2/A440-08 |
| | Certification Agency | WDMA |
| 2, 5, 6, 9, 10, 12, 15 | Manufacturer's Name or Code Name | Infinity from Marvin Windows and Doors |
| | Product Name | Infinity Double Hung |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11; AAMA/WDMA/CSA 101/I.S.2/A440-08 |
| | Certification Agency | WDMA |
| 3 | Manufacturer's Name or Code Name | Infinity from Marvin Windows and Doors |
| | Product Name | Infinity Double Hung |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA/WDMA/CSA 101/I.S.2/A440-05 |
| | Certification Agency | WDMA |
| 4 | Manufacturer's Name or Code Name | Infinity from Marvin Windows and Doors |
| | Product Name | Infinity Insert Double Hung |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA/WDMA/CSA 101/I.S.2/A440-05 |
| | Certification Agency | WDMA |

Impact Resistance:

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

Installation:

Systems 1, 2, 7, 8, 10, 13, 14, and 16: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using the window frame. Three (3) No. 8 x 2 screws are utilized along each side jamb, located approximately 3 to 4 inches from the head and sill and one (1) at the mid-span. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

Systems 3, 4, 5, 6, 9, 11, 12, and 15: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using the nailing flange and the frame. The nailing flange is secured to the wall framing with minimum 11 gauge roofing nails (minimum 2" long smooth shank) spaced approximately 6 inches from each corner and approximately 8 inches on center along perimeter of the window. Three (3) No. 8 x 2" screws are utilized along each side jamb, located approximately 3 inches from the head, 4 ½ inches from the sill, and one (1) at the mid-span. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

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.