

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

## PRODUCT EVALUATION

WIN-1605

Effective Date: June 1, 2012  
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 Glider and Insert Glider Windows, Non-impact Resistant**, manufactured by

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

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Fiberglass Glider Windows	LC-PG30 72 x 48 HS-LC30 72 x 48	± 30 psf
2	Fiberglass Glider Windows	LC-PG30 72 x 60 HS-LC30 72 x 60	± 30 psf
3	Fiberglass Glider Windows	LC-PG30 104 x 48 HS-LC30 104 x 48	± 30 psf
4	Fiberglass Glider Windows	LC-PG30 104 x 60 HS-LC30 104 x 60	± 30 psf
5	Fiberglass Insert Glider Windows	LC-PG30 72 x 48 HS-LC30 72 x 48	± 30 psf
6	Fiberglass Insert Glider Windows	LC-PG30 72 x 60 HS-LC30 72 x 60	± 30 psf
7	Fiberglass Insert Glider Windows	LC-PG30 104 x 48 HS-LC30 104 x 48	± 30 psf
8	Fiberglass Insert Glider Windows	LC-PG30 104 x 60 HS-LC30 104 x 60	± 30 psf

### Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Size
1	72" x 48"	35 <sup>3</sup> / <sub>8</sub> " x 45 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>2</sub> " x 45 <sup>1</sup> / <sub>2</sub> "
2	72" x 60"	35 <sup>3</sup> / <sub>8</sub> " x 57 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>2</sub> " x 57 <sup>1</sup> / <sub>2</sub> "
3	104" x 48"	Two: 26 <sup>3</sup> / <sub>8</sub> " x 45 <sup>3</sup> / <sub>4</sub> "	51 <sup>7</sup> / <sub>8</sub> " x 45 <sup>5</sup> / <sub>8</sub> "
4	104" x 60"	Two: 26 <sup>3</sup> / <sub>8</sub> " x 57 <sup>3</sup> / <sub>4</sub> "	51 <sup>7</sup> / <sub>8</sub> " x 58"

**Product Dimensions (continued):**

System	Overall Size	Operable Sash Size	Fixed Sash Size
5	72" x 48"	35 <sup>3</sup> / <sub>8</sub> " x 45 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>2</sub> " x 45 <sup>1</sup> / <sub>2</sub> "
6	72" x 60"	35 <sup>1</sup> / <sub>2</sub> " x 57 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>2</sub> " x 57 <sup>3</sup> / <sub>4</sub> "
7	104" x 48"	Two: 25 <sup>15</sup> / <sub>16</sub> " x 45 <sup>13</sup> / <sub>16</sub> "	51 <sup>7</sup> / <sub>8</sub> " x 45 <sup>13</sup> / <sub>16</sub> "
8	104" x 60"	Two: 25 <sup>15</sup> / <sub>16</sub> " x 57 <sup>13</sup> / <sub>16</sub> "	51 <sup>7</sup> / <sub>8</sub> " x 57 <sup>13</sup> / <sub>16</sub> "

**Product Identification (Certification Agency Label on Window):**

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Infinity from Marvin Windows and Doors
	Product Name	Infinity Glider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA/WDMA/CSA 101/I.S.2/A440-08

System		
3-4	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Infinity from Marvin Windows and Doors
	Product Name	Infinity Glider Triple Sash
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA/WDMA/CSA 101/I.S.2/A440-08

System		
5-6	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Infinity from Marvin Windows and Doors
	Product Name	Infinity Insert Glider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA/WDMA/CSA 101/I.S.2/A440-08

System		
7-8	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Infinity from Marvin Windows and Doors
	Product Name	Infinity Insert Glider Triple Sash
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; 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:**

**System 1:** 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. No. 8 x 2" screws are utilized along each side jamb, located approximately 4 <sup>1</sup>/<sub>2</sub> inches from the head and the sill and at the mid-span and one (1) fastener located at the mid-span of the head. All fasteners shall be long enough to penetrate a minimum of 1 <sup>1</sup>/<sub>2</sub> inches into the wall framing members.

**System 2:** 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. No. 8 x 2" screws are utilized along each side jamb, located approximately 4 ½ inches and 21 ½ inches from the head and the sill and one (1) fastener located at the mid-span of the head. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

**System 3:** 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. No. 8 x 2" screws are utilized along each side jamb, located approximately 4 ½ inches from the head and the sill and at the mid-span and three (3) fasteners along the head, located 25 inches from each corner 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.

**System 4:** 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. No. 8 x 2" screws are utilized along each side jamb, located approximately 4 ½ inches and 21 ½ inches from the head and the sill and three (3) fasteners along the head, located 25 inches from each corner 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.

**System 5:** 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. No. 8 x 2" screws are utilized along each side jamb, located approximately 4 ½ inches from the head and the sill and at the mid-span and one (1) fastener located at the mid-span of the head. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

**System 6:** 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. No. 8 x 2" screws are utilized along each side jamb, located approximately 4 ½ inches and 21 ½ inches from the head and the sill and one (1) fastener located at the mid-span of the head. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

**System 7:** 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. No. 8 x 2" screws are utilized along each side jamb, located approximately 4 ½ inches from the head and the sill and at the mid-span and three (3) fasteners along the head, located 25 inches from each corner 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.

**System 8:** 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. No. 8 x 2" screws are utilized along each side jamb, located approximately 4 ½ inches and 21 ½ inches from the head and the sill and three (3) fasteners along the head, located 25 inches from each corner 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) and the International Building Code (IBC) and the Texas Revisions.