



Product Evaluation

WIN1202 | 0715

Engineering Services Program

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.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-1202

Effective Date: July 1, 2015

Re-evaluation Date: October 2018

Product Name: Series 185 Aluminum Single Hung Windows, Single, Twin and Triple Continuous Head and Sill, Fin and Frame Installation, Non-impact Resistant

Manufacturer: MI Windows and Doors, LLC
650 West Market Street
Gratz, PA 17030-0370
(717) 365-3300

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 185 Aluminum Single Hung Windows; Single; Insulated Glass	R-PG60 52 x 84-H	+60 / -60 psf
2	Series 185 Aluminum Single Hung Windows; Twin CHS; Insulated Glass	R-PG45 106 x 72-H	+45 / -45 psf
3	Series 185 Aluminum Single Hung Windows; Triple CHS; Insulated Glass	R-PG50 111 x 72-H	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Glass Daylight Opening Size
1	52-1/8" x 84"	51" x 36"	49-1/4" x 45"
2	105-1/2" x 71-5/8"	Two (2): 50-1/2" x 36"	Two (2): 49-5/16" x 32-5/8"
3	110-1/2" x 71-5/8"	Three (3): 35-3/8" x 36"	Three (3): 33-1/4" x 32-5/8"

Product Identification (Certification Agency Label on Window):

System		
1, 2, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation (One of the following):

- **Mounting Fin Installation (System 1, 2, 3):** Use minimum Spruce-Pine-Fir dimension lumber for the wall-framing members. Secure windows to the wall framing using the nail fin with minimum No. 6 pan head screws. Locate fasteners approximately 2" from each corner and 8-10" on center along the perimeter of the window. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.
- **Frame Installation (System 1):** Use minimum Spruce-Pine-Fir dimension lumber for the wall-framing members. Secure windows to the wall framing using the window frame with minimum No. 8 pan head screws. Along the head and each side jamb, locate fasteners approximately 3" and 25" from each corner. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.
- **Frame Installation (System 2, 3):** Use minimum Spruce-Pine-Fir dimension lumber for the wall-framing members. Secure windows to the wall framing using the window frame. Along each side jamb, use minimum No. 8 pan head screws located 3" from each corner and one at the mid span. Along the head and the sill, use minimum No. 8 pan head screws located 3" from each corner. Along the head and the sill, use minimum No. 8 x 2" pan head screws located 3" on either side of the intermediate frame jamb. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.