

Product Evaluation

WIN1202 | 0919

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: September 1, 2019

Re-evaluation Date: June 2023

Product Name: Series 185 Aluminum Single Hung Windows, Singles, Twin and Triple CHS, Fin and Frame Installation, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 185 Aluminum Single Hung Windows; Single	R-PG60 (36 x 72)-H	+60 / -70 psf
2	Series 185 Aluminum Single Hung Windows; Single	R-PG50 (52 x 62)-H	+50 / -63 psf
3	Series 185 Aluminum Single Hung Windows; Single	R-PG60 (52 x 84)-H	+60 / -60 psf
4	Series 185 Aluminum Single Hung Windows; Twin	R-PG45 (105 x 72)-H	+45 / -45 psf
5	Series 185 Aluminum Single Hung Windows; Triple	R-PG50 (110 x 72)-H	+50 / -50 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
6	Series 185 Aluminum Single Hung Windows; Twin	R-PG45 (106 x 72)-H	+45 / -45 psf
7	Series 185 Aluminum Single Hung Windows; Triple	R-PG50 (111 x 72)-H	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	36" x 71-5/8"	34-15/16" x 36-1/16"	33-1/4" x 32-7/16"
2	52-1/8" x 62"	50-1/2" x 31-3/16"	49-5/16" x 27-9/16"
3	52-1/8" x 84"	51" x 36"	49-1/4" x 45"
4	105-3/8" x 71-5/8"	50-1/2" x 36" (2)	49-5/16" x 32-5/8" (2)
5	110-1/4" x 71-5/8"	35-3/8" x 35-7/8" (3)	33-1/4" x 32-5/8" (3)
6	105-1/2" x 71-5/8"	50-1/2" x 36" (2)	49-5/16" x 32-5/8" (2)
7	110-1/2" x 71-5/8"	35-3/8" x 35-7/8" (3)	33-1/4" x 32-5/8" (3)

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 SH (FIN, FLANGE, & FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 SH (FLANGE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 Twin SH (FLANGE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 Triple SH (FLANGE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 Twin SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Product Identification (Certification Label on Window) - Continued:

System		
7	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 Triple SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-7	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:**System 1:**

Install in accordance with MI Windows and Doors drawing No. 08-03393, dated March 12, 2019. Signed and sealed by Luis R. Lomas, P.E. on March 12, 2019.

System 2:

Install in accordance with MI Windows and Doors, LLC drawing 08-03392, dated March 12, 2019. Signed and sealed by Luis R. Lomas, P.E. on March 12, 2019.

Frame Installation (System 3):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 8 pan head screws. Locate the screws approximately 3" and 16" from each corner along the head and side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 4-5):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using the window frame. Along the side jambs, use minimum No. 8 x 1-1/2" pan head screws spaced approximately 3" from the corners and at the midspan. Along the head and sill, use minimum No. 8 x 1-1/2" pan head screws spaced approximately 3" from each corner and use minimum No. 8 x 2" pan head screws spaced approximately 3" on each side of the intermediate frame jamb. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Mounting Fin Installation (System 6-7):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using minimum No. 6 x 1-5/8" flat head screws. Locate the screws approximately 2" from each corner and 10"-12" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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.