



Product Evaluation

WIN1544 | 0515

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-1544

Effective Date: May 1, 2015

Re-evaluation Date: November 2016

Product Name: Series 5500 Vinyl Single Hung Windows, New and Replacement Construction, 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 5500 Vinyl Single Hung Windows; O/X	R-PG30 53x72-H	+30 / -30 psf
2	Series 5500 Vinyl Single Hung Windows; O/X	R-PG50 42x84-H	+50 / -50 psf
3	Series 5500 Vinyl Single Hung Windows; O/X.O/X	R-PG50 84x84-H (MULL)	+50 / -50 psf
4	Series 5500 Vinyl Single Hung Windows; O/X	R-PG25 48x96-H	+25 / -25 psf
5	Series 5500 Vinyl Single Hung Windows; O/X	R-PG50 48x72-H	+50 / -50 psf

Product Dimensions:

System	Overall Size	Sash Size	Fixed Glass Daylight Opening Size
1	53" x 72"	50-5/8" x 36"	50" x 33-1/4"
2	42" x 84"	39-7/8" x 30"	38" x 51-1/4"
3	84" x 84"	39-1/2" x 30"	38" x 51-1/4"
4	48" x 95-7/8"	45-5/8" x 35-7/8"	45" x 57-3/16"

Product Dimensions:

System	Overall Size	Sash Size	Fixed Glass Daylight Opening Size
5	47-1/2" x 71-1/2"	45-1/4" x 29-15/16"	44" x 38-3/4"

Product Identification (Certification Agency Label on Window):

System		
1, 4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	Series 5500 (4000) SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2, 3, 5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	Series 5500 (4050) SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1 FIN	Type of Installation	Mounting Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 6 x 1-5/8" screws
	Fastener Location/Spacing	Approximately 10" from each corner and 10" on center along the perimeter.
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.
1 Frame	Type of Installation	Finless Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 8 x 2" screws
	Fastener Location/Spacing	Side Jamb: Approximately 4" from the head and sill and 16" on center
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.

Installation (continued):

System		
2 Fin	Type of Installation	Mounting Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum 6d common wire nails (2" long)
	Fastener Location/Spacing	Approximately 6" from each corner and 16" on center along the perimeter.
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.
3 Fin	Type of Installation	Mounting Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 10 screws
	Fastener Location/Spacing	Side Jamb: Approximately 3" from each corner and 8" on center. Head and sill: Approximately 3" from each outside corner, 5" on each side of the mullion, and 9" on center
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.
4 Fin	Type of Installation	Mounting Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 6 x 1-5/8" screws
	Fastener Location/Spacing	Approximately 4" from each corner and 5" to 9" on center along the perimeter.
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.
5 Fin	Type of Installation	Mounting Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 6 x 1-5/8" screws
	Fastener Location/Spacing	Approximately 6" from each corner and 18" on center along the perimeter.
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.

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