



Product Evaluation

WIN1513 | 1015

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-1513

Effective Date: October 1, 2015

Re-evaluation Date: January 2018

Product Name: Series 1650 HP Vinyl Single Hung Windows, Fin-Mounted and Replacement Construction, Impact Resistant

Manufacturer: MI Windows & Doors, LLC
650 West Market Street, P.O. Box 370
Gratz, PA 17030-0370
(717) 365-3300

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 1650 High Performance Vinyl Single Hung Windows (FIN); (X/O)	R-PG50 52 x 72-H Missile Level D	+50 / -50 psf
2	Series 1650 High Performance Vinyl Single Hung Windows (FINLESS); (X/O)	R-PG50 52 x 72-H Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Daylight Opening Size	Fixed Daylight Opening Size
1, 2	52-1/8" x 72"	45-1/4" x 32"	44-5/8" x 31-1/8"

Product Identification (Certification Label on Window):

System		
1, 2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-2
	Product Name	System 1: Series 1650 HP SH (FIN) System 2: Series 1650 HP SH (FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506-08; ASTM E 1886-05; ASTM E 1996-05; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the assemblies' design pressure rating.

Installation:

System		
1 (FIN)	Type of Installation	Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum #6 x 1-5/8" drywall screws
	Fastener Location/Spacing	Drive fasteners around the entire window perimeter through the nail fin at 2" from each corner centerline and at 8" on center thereafter.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2 (FINLESS)	Type of Installation	Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum #8 x 2" Philips pan head screws
	Fastener Location/Spacing	Drive fasteners through the window frame jambs at 4" from each corner centerline and at the mid span of the jambs.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

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