

## Product Evaluation

WIN2262 | 0822

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-2262

**Effective Date:** August 1, 2022

**Re-evaluation Date:** June 2025

**Product Name:** Series 1620/1630 Vinyl Fixed Windows, Fin and Frame Installation, Impact Resistant

**Manufacturer:** MI Windows and Doors  
650 West Market St.  
Gratz, PA 17030  
(717) 365-3300

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 1620/1630 Vinyl Fixed Windows; O	LC-PG50 (48 x 84) Missile Level D	+50 / -50 psf
2	Series 1620/1630 Vinyl Fixed Windows; O	LC-PG55 (73 x 61)-FW Missile Level	+55 / -55 psf
3	Series 1620/1630 Vinyl Fixed Windows; O	LC-PG55 (73 x 75)-FW Missile Level D	+55 / -55 psf

**Product Dimensions:**

System	Overall Size	Fixed Sash Daylight Opening Size
1	48" x 84"	43-5/16" x 79-1/4"
2	73" x 61"	68-1/4" x 56-1/4"
3	73-1/8" x 75"	68-1/2" x 70-1/2"

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

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	1620PW
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17; ASTM E 1886; ASTM E 1996; Missile Level D
2, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	1620PW
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886; ASTM E 1996; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2, 3	Yes	These products have been tested for windborne debris resistance. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation (One of the Following):**

System		
1	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 1-5/8" FH screws
	Fastener Location/Spacing	4" from each corner and 8" on center along the perimeter
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
1	Type of Installation	Screw Through Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 2" PH screws
	Fastener Location/Spacing	4" from each corner and 12" on center along the head and side jambs
	Fastener Penetration	Minimum of 1-1/2" into the wall framing

**Installation (One of the Following) - continued:**

System		
2	Type of Installation	Nail Fin Installation
	Wall Framing	Southern Yellow Pine dimension lumber
	Fasteners	No. 6 FH screws
	Fastener Location/Spacing	3" from each corner and 8" on center along the perimeter
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
2	Type of Installation	Screw Through Frame
	Wall Framing	Southern Yellow Pine dimension lumber
	Fasteners	No. 8 PH screws
	Fastener Location/Spacing	Head/Sill: 4" from each corner and 16" on center Side Jamb: 4" from each corner and 13" on center
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
3	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Pine dimension lumber
	Fasteners	No. 6 x 1-5/8" FH screws
	Fastener Location/Spacing	3" from each corner and 8" on center along the perimeter
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
3	Type of Installation	Screw Through Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 3" PH screws
	Fastener Location/Spacing	4" from each corner and 12" on center along the perimeter
	Fastener Penetration	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 and the IBC.