

## Product Evaluation

DR587 | 1121

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:** DR-587

**Effective Date:** November 1, 2021

**Re-evaluation Date:** November 2025

**Product Name:** Series 420 Aluminum Sliding Glass Doors, Frame Installation, Non-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 420 Aluminum Sliding Glass Doors; OXXX	LC-PG30 (193 x 96)	+30 / -30 psf
2	Series 420 Aluminum Sliding Glass Doors; OXXX	LC-PG25 (193 x 96)	+25 / -25 psf
3	Series 420 Aluminum Sliding Glass Doors; XX	R-PG40 (96 x 96)	+40 / -40 psf
4	Series 420 Aluminum Sliding Glass Doors; XX	R-PG35 (96 x 96)	+35 / -35 psf
5	Series 420 Aluminum Sliding Glass Doors; OXO	R-PG35 (146 x 96)	+35 / -35 psf

**General Description:**

System	Description	Label Rating	Design Pressure Rating
6	Series 420 Aluminum Sliding Glass Doors; OXO	R-PG40 (146 x 96)	+40 / -40 psf
7	Series 420 Aluminum Sliding Glass Doors; OXO	R-PG40 (146 x 80)	+40 / -40 psf

**Product Dimensions:**

System	Overall Size	Operable Panel Size	Panel Daylight Opening Size
1-2	193" x 96"	48-1/2" x 95"	44-9/16" x 90-1/2"
3-4	96" x 96"	48-1/2" x 95"	44-5/8" x 90-5/8"
5-6	146" x 96"	48-1/2" x 95"	44-5/8" x 90-5/8"
7	146" x 80"	48-1/2" x 79"	44-5/8" x 74-5/8"

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

System		
1-7	Certification agency	AAMA
	Manufacturer's name or code name	MTL-12
	Product name	BB420
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

**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		
1-7	Type of installation	Screw Thru Frame
	Wall framing	Southern Yellow Pine dimension lumber
	Fasteners	No. 10 screws
	Fastener location/spacing	Head/Side Jamb: 5-1/2" from each corner and 17" on center Sill: 5-1/2" from each corner and 22-1/2" on center
	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.