



# Product Evaluation

DR587 | 0315

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:** December 1, 2012

**Revised:** March 1, 2015

**Re-evaluation Date:** May 2016

**Product Name:** Series 420 Aluminum Sliding Glass Doors, 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 420 Aluminum Sliding Glass Doors; XX	R-PG40 96 x 80-SD	+40 / -40 psf
2	Series 420 Aluminum Sliding Glass Doors; (REINF); XX	R-PG35 96 x 96-SD	+35 / -35 psf
3	Series 420 Aluminum Sliding Glass Doors; (REINF); (MODIF); XX	R-PG40 96 x 96-SD	+40 / -40 psf
4	Series 420 Aluminum Sliding Glass Doors; OXO	R-PG40 146 x 80-SD	+40 / -40 psf
5	Series 420 Aluminum Sliding Glass Doors; (REINF); OXO	R-PG35 146 x 96-SD	+35 / -35 psf
6	Series 420 Aluminum Sliding Glass Doors; (REINF); (MODIF); OXO	R-PG40 146 x 96-SD	+40 / -40 psf

**General Description (continued):**

System	Description	Label Rating	Design Pressure Rating
7	Series 420 Aluminum Sliding Glass Doors; (REINF); OXXX	LC-PG25 193 x 96-SD	+25 / -25 psf
8	Series 420 Aluminum Sliding Glass Doors; (REINF); (MODIF); OXXX	LC-PG30 193 x 96-SD	+30 / -30 psf

**Product Dimensions:**

System	Overall Size	Panel Size
1	96" x 80"	48-1/2" x 79"
2	96" x 96"	48-1/2" x 95"
3	96" x 96"	48-1/2" x 95"
4	145-3/4" x 80"	48-1/2" x 79"
5	145-3/4" x 96"	48-1/2" x 95"
6	145-3/4" x 96"	48-1/2" x 95"
7	192-5/8" x 96"	48-1/2" x 95"
8	192-5/8" x 96"	48-1/2" x 95"

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

System		
1, 2, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	420 XX SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4, 5, 6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	420 OXO SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
7, 8	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	420 OXXX SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

System	Impact Resistant	Requirement
1-8	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

System		
1-8	Type of Installation	Frame Installation
	Wall Framing	Southern Yellow Pine
	Fasteners	Minimum No. 10 screws
	Fastener Location/Spacing	<u>Head and Side Jambs:</u> Two rows spaced approximately 5-1/2" from each corner and 17" on center. <u>Sill:</u> One row spaced approximately 5-1/2" from each corner and 22-1/2" on center.
	Fastener Penetration	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.