

Product Evaluation

DR1035 | 0623

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-1035

Effective Date: June 1, 2023

Re-evaluation Date: December 2025

Product Name: Series 9050 Thermally Broken Aluminum Glazed Side Hinged Terrace Doors, Inswing and Outswing, Singles and Doubles, Impact Resistant

Manufacturer: WinDoor, Inc.
7500 Amsterdam Drive
Orlando, FL 32832
(407) 481-8400

General Description:

System	Description	Label Rating	Drawing Number
1	Series 9050 Thermally Broken Aluminum Glazed Side Hinged Low Sill Terrace Doors Inswing; Single (X)	SHD-LC-PG80 46 x 120 Missile Level D DP: +80 / -80 psf	9050LMTDI-1
2	Series 9050 Thermally Broken Aluminum Glazed Side Hinged Low Sill Terrace Doors; Inswing; Single (X)	SHD-LC-PG80 46 x 128 Missile Level D DP: +80 / -100 psf	9050LMTDI-1
3	Series 9050 Thermally Broken Aluminum Glazed Side Hinged Low Sill Terrace Doors; Inswing; Double (XX)	SHD-LC-PG70 77 x 120 Missile Level D DP: +70 / -70 psf	9050LMTDI-1
4	Series 9050 Thermally Broken Aluminum Glazed Side Hinged Low Sill Terrace Doors; Inswing; Double (XX)	SHD-LC-PG55 85 x 128 Missile Level D DP: +55 / -65 psf	9050LMTDI-1
5	Series 9050 Thermally Broken Aluminum Glazed Side Hinged Low Sill Terrace Doors; Outswing; Single (X)	SHD-CW-PG80 46 x 120 Missile Level D DP: +80 / -80 psf	9050LMTDI-1

General Description (Continued):

System	Description	Label Rating	Drawing Number
6	Series 9050 Thermally Broken Aluminum Glazed Side Hinged Low Sill Terrace Doors; Outswing; Single (X)	SHD-CW-PG80 46 x 128 Missile Level D DP: +80 / -100 psf	9050LMTDI-1
7	Series 9050 Thermally Broken Aluminum Glazed Side Hinged Low Sill Terrace Doors; Outswing; Double (XX)	SHD-LC-PG70 77 x 120 Missile Level D DP: +70 / -70 psf	9050LMTDI-1
8	Series 9050 Thermally Broken Aluminum Glazed Side Hinged Low Sill Terrace Doors; Outswing; Double (XX)	SHD-LC-PG55 85 x 128 Missile Level D DP: +55 / -65 psf	9050LMTDI-1

Component Dimensions:

System	Overall size	Maximum Panel size	Maximum Daylight Opening Size
1	Inswing: 46" x 120"	42" x 118.50"	31.69" x 108.25"
2	Inswing: 46" x 128"	42" x 126.50"	31.69" x 115.70"
3	Inswing: 76.5" x 120"	37.598" x 118.50"	26.062" x 108.25"
4	Inswing: 84.5" x 128"	42" x 126.50"	30" x 116.25"
5	Outswing: 46" x 120"	41.938" x 118.50"	31.50" x 108.188"
6	Outswing: 46" x 128"	41.938" x 126.50"	31.50" x 116.188"
7	Outswing: 76.50" x 120"	37" x 118.50"	25.938" x 108.188"
8	Outswing: 84.50" x 128"	41" x 126.50"	29.938" x 116.188"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-4	Giesse XXL hinge	3	Install hardware in accordance with WinDoor, Inc. drawing No. 9050LMTDI-1, dated February 5, 2019, Rev A, dated June 2, 2022-. Signed and sealed by Anthony Lynn Miller, P.E. on June 3, 2022
	Hoppe top extension w/ shootbolt	1	
	Hook latch strike plate	1	
	Hoppe handle & trim set	1	
	Latch & deadbolt strike plate	1	
	Hoppe bottom extension w/ gear	1	
5-8	Hoppe middle extension w/ 2 swing hooks (double door ONLY)	1	
	2-piece pivot metallic hinges	3	
	3-point locking system	1	
	Flush mount strike plate	4	

Product identification (Certification Agency Label on Door):

System		
1-2	Certification agency	Keystone
	Manufacturer's name or code name	System 1: CAR #167-1352, 167-583 System 2: CAR # 167-1351, 167-582
	Product name	Model 9050 Therm Break Al IS Low Profile Sill Terrace Door
	Drawing	9050LMTDI-1
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,-11 ASTM E1886-05/E1996-05,-09 Missile Level D
3-4	Certification agency	Keystone
	Manufacturer's name or code name	System 3: CAR # 167-1347, 167-580 System 4: CAR #167-1348, 167-581
	Product name	Model 9050 Therm Break Al Double IS Low Profile Sill Terrace Door
	Drawing	9050LMTDI-1
	Test standards	Sys 3: AAMA/WDMA/CSA 101/I.S.2/A440-08,-11 Sys. 4: AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-05,-09 Missile Level D
5-8	Certification agency	Keystone
	Manufacturer's name or code name	System 5: CAR #167-1354, 167-586 System 6: CAR #167-1353, 167-585 System 7: CAR #167-1357, 167-584 System 8: CAR #167-1356, 167-587
	Product name	Model 9050 Therm Break Al OS Low Profile Sill Terrace Door
	Drawing	9050LMTDI-1
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,-17 ASTM E1886-05/E1996-05,-09 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-8	Yes	These products have been tested for impact resistance. They satisfy Missile Level D requirements specified in ASTM E 1996-14a.

Installation:

System		
1-8	Type of installation	Install hardware in accordance with WinDoor, Inc. drawing No. 9050LMTDI-1, dated February 5, 2019, Rev A, dated June 2, 2022-. Signed and sealed by Anthony Lynn Miller, P.E. on June 3, 2022
	Wall framing	
	Fasteners	
	Fastener embedment	
	Fastener location/spacing	

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.