

## Product Evaluation

DR1034 | 0422

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-1034

**Effective Date:** April 1, 2022

**Re-evaluation Date:** January 2023

**Product Name:** "WinForce" Fiberglass Side Hinged Doors, Glazed and Opaque, Inswing and Outswing, Singles and Doubles, w/ or w/o Sidelites, Impact Resistant

**Manufacturer:** Northeast Building Products  
4280 Aramingo Avenue  
Philadelphia, PA 19124  
(215) 535-7110

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Glazed, Inswing, Single Door with Sidelites (OXO)	R-PG55 (69 x 82)-LWSHD Missile Level D	+55 / -55 psf
2	Opaque, Inswing, Single Door with Sidelites (OXO)	R-PG55 (69 x 82)-LWSHD Missile Level D	+55 / -55 psf
3	Opaque, Inswing, Double Door with Sidelites (OXXO)	R-PG50 (105 x 82)-LWSHD Missile Level D	+50 / -50 psf
4	Glazed, Inswing, Double Door (XX)	LC-PG50 (74 x 98)-SHD,LW Missile Level D	+50 / -50 psf
5	Glazed, Outswing, Double Door (XX)	LC-PG50 (74 x 98)-SHD Missile Level D	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Operable Panel Size	Maximum Panel Daylight Opening Size
1	68.5" x 82"	35.75" x 79"	Door: 21" x 63" Sidelite: 6" x 63" (2)
2	68.5" x 82"	35.75" x 79"	Door: N/A Sidelite: 6" x 63" (2)
3	105" x 82"	35.75" x 79" (2)	Door: N/A Sidelite: 6" x 63" (2)
4-5	74" x 98"	35.75" x 95.75" (2)	21" x 79" (2)

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-3	4" Hinge	3	Install in accordance with drawings No. NL-0129, NL-0130, NL-0131, dated February 5, 2019. Signed and sealed by Robert J. Amoruso, P.E. on February 11, 2022.
	Knob: Kwikset 740 Series Deadbolt: Kwikset 780 Series	1 each	
4-5	4" Hinge	4	Install in accordance with drawing No. NL-0133, dated May 6, 2019. Signed and sealed by Robert J. Amoruso, P.E. on February 11, 2022.
	Knob: Kwikset 740 Series Deadbolt: Kwikset 780 Series	1 each	

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

System		
1	Certification agency	Keystone
	Manufacturer's name or code name	CAR #86-440 / 86-223
	Product name	WinForce - IS FBL Glazed Door w/ Sidelites (OXO)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-05/E1996-05,09; Missile Level D
2	Certification agency	Keystone
	Manufacturer's name or code name	CAR #86-438 / 86-221
	Product name	WinForce - IS FBL Opaque Door w/ Sidelites (OXO)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-05/E1996-05,09; Missile Level D

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

System		
3	Certification agency	Keystone
	Manufacturer's name or code name	CAR #86-439 / 86-222
	Product name	WinForce - IS FBL Opaque DBL Door w/ SL (OXXO)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11 ASTM E1886-05/E1996-05,09; Missile Level D
4	Certification agency	Keystone
	Manufacturer's name or code name	CAR #86-459 / 86-224
	Product name	Inswing Fiberglass Glazed Double Door XX (Impact)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-09; Missile Level D
5	Certification agency	Keystone
	Manufacturer's name or code name	CAR #86-462 / 86-225
	Product name	Outswing Fiberglass Glazed Double Door XX (Impact)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-09; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-5	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to or smaller than those specified are acceptable with the limitations specified in this report.

**Installation:**

System		
1-3	Type of installation	Install doors in accordance with drawings No. NL-0129, NL-0130, and NL-0131, dated February 5, 2019. Signed and sealed by Robert J. Amoruso, P.E. on February 11, 2022.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

**Installation:**

System		
4-5	Type of installation	Install doors in accordance with drawing No. NL-0133, dated May 6, 2019. Signed and sealed by Robert J. Amoruso, P.E. on February 11, 2022.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

**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.