



Product Evaluation

DR788 | 1016

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-788 **Effective Date:** October 1, 2016
Re-evaluation Date: August 2020

Product Name: 6'-8" Opaque Fiberglass R3 Composites Entry Doors, Inswing & Outswing, Single and Doubles, with and without Sidelites, Non-Impact Resistant

Manufacturer: R3 Composites
14123 Roth Road
Grabill, IN 46741
Telephone: (260) 627-0030

General Description:

System	Description	Label Rating	Drawing
1	3'-0" x 6'-8" Opaque Fiberglass Single Door Inswing/Outswing; (X)	Inswing +65/-70 PSF Outswing +65/-65 PSF	TX-4550
2	3'-0" x 6'-8" Opaque Fiberglass Single Door w/ Boxed Sidelite, Inswing (OX/XO)	Inswing +50/-60 PSF	TX-4551
3	3'-0" x 6'-8" Opaque Fiberglass Single Door w/ Boxed Sidelites, Inswing (OXO)	Inswing +50/-60 PSF	TX-4551
4	6'-0" x 6'-8" Opaque Fiberglass Double Door, Inswing/Outswing; (XX)	Inswing +50/-55 PSF Outswing +60/-65 PSF	TX-4552
5	6'-0" x 6'-8" Opaque Fiberglass Double Door w/ 14" Boxed Sidelites, Inswing (OXXO)	Inswing +50/-55 PSF	TX-4552
6	6'-0" x 6'-8" Opaque Fiberglass Double Door w/ 36" Boxed Sidelites, Inswing (OXXO)	Inswing +40/-50 PSF	TX-4552

Component Dimensions:

System	Overall Size	Door Panel Size	Door Max Daylight Opening	Sidelite Panel Size	Sidelite Max Daylight Opening
1	Inswing: 37-1/2"x 81-3/4" Outswing: 37-1/2"x 80-3/4"	35-3/4" x 79-1/4"	NA	NA	NA
2	Inswing: 53"x 81-3/4"	35-3/4" x 79-1/4"	NA	13-3/4" x 79-1/4"	7.06" x 63.06"
3	Inswing: 68-1/2"x 81-3/4"	35-3/4" x 79-1/4"	NA	13-3/4" x 79-1/4"	7.06" x 63.06"
4	Inswing: 74"x 81-3/4" Outswing: 74"x 80-3/4"	35-3/4" x 79-1/4"	NA	NA	NA
5	Inswing: 105"x 81-3/4"	35-3/4" x 79-1/4"	NA	13-3/4" x 79-1/4"	7.06" x 63.06"
6	Inswing: 149"x 81-3/4"	35-3/4" x 79-1/4"	NA	35-3/4" x 79-1/4"	20.88" x 62.88"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-6	4" Butt Hinges	3	For proper installation of Hardware and components refer to R3 Composites drawings: TX-4550 dated 7/20/15, signed & sealed by Lyndon F. Schmidt, P.E. on 7/27/15 and TX-4551, TX-4552 dated 7/20/15, signed & sealed by Lyndon F. Schmidt, P.E. on 7/28/16.
	Kwikset 400 Series (Knob) Kwikset 660 Series (Deadbolt) OR Schlage "F" Series Knob F51 Schlage "B" Series Deadbolt B60N	1 each	

Product Identification (Manufacturer Label on Door):

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	R3 Composites
	Product Name	Nicolette Glazed Fiberglass Single Door
	Drawing	TX-4550
	Test Standards	ASTM E 330-02
2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	R3 Composites
	Product Name	Nicolette Glazed Fiberglass Single Door w/Boxed sidelite
	Drawing	TX-4551
	Test Standards	ASTM E 330-02
3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	R3 Composites
	Product Name	Nicolette Glazed Fiberglass Single Door w/Boxed sidelites
	Drawing	TX-4551
	Test Standards	ASTM E 330-02
4	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	R3 Composites
	Product Name	Nicolette Glazed Fiberglass Double Door
	Drawing	TX-4552
	Test Standards	ASTM E 330-02
5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	R3 Composites
	Product Name	Nicolette Glazed Fiberglass Double Door w/Boxed 14" sidelites
	Drawing	TX-4552
	Test Standards	ASTM E 330-02

Product Identification (Manufacturer Label on Door): (cont'd)

System		
6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	R3 Composites
	Product Name	Nicolette Glazed Fiberglass Double Door w/Boxed 36" sidelites
	Drawing	TX-4552
	Test Standards	ASTM E 330-02

Impact Resistance:

System	Impact Resistant	Requirement
1-6	No	Provide an impact protective system when installing the product in areas that require windborne debris.

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

Sidelites: Sidelites must only be used with doors. Sidelites must not be installed individually.

Installation:

System		
1-6	Type of Installation	For proper installation of doors and sidelites refer to R3 Composites drawings : TX-4550 dated 7/20/15, signed & sealed by Lyndon F. Schmidt, P.E. on 7/27/15 and TX-4551, TX-4552 dated 7/20/15, signed & sealed by Lyndon F. Schmidt, P.E. on 7/28/16.
	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, the IBC, and the Texas Revisions.