

Product Evaluation

DR738 | 0421

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-738

Effective Date: April 1, 2021

Re-evaluation Date: May 2023

Product Name: Series FD5455 (FD455) Vinyl Outswing Glazed Side Hinged French Doors, with or without Transoms and Sidelites, Non-Impact Resistant

Manufacturer: PGT
1070 Technology Drive
North Venice, FL 34275
(941) 480-1600

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series FD5455 Outswing French Doors, XX	R-PG70 (76 x 96)-SHD	+70 / -70 psf
2	Series FD5455 Sidelite; O	R-PG70 (40 x 111)-SLT	+70 / -70 psf
3	Series FD5455 Transom; O	R-PG70 (111 x 40)-TR	+70 / -70 psf

Product Dimensions:

System	Overall Size	Maximum Operable Panel Size	Maximum Fixed Panel Daylight Opening Size
1	76" x 96"	38" x 93-3/4"	26-9/16" x 84"
2	40" x 111"	N/A	35-3/16" x 106-1/4"
3	111" x 40"	N/A	106-1/4" x 35-3/16"

Acceptable Configurations: Doors, sidelites, and transoms can be combined to form larger assemblies. Acceptable configurations are listed in the design drawing referenced in this product evaluation report. Acceptable configurations include in the following:

- Doors: X, XX
- Sidelites: O, OO
- Transoms: O
- Doors and Sidelites: XO, OX, OXO, OXXO
- Doors and Transoms: O/X
- Sidelites and Transoms: O/O

Note: Doors, sidelites, and transoms are labelled independently.

Components and Hardware:

System	Component	Quantity	Attachment Method
1-3	Hinges	4 per door panel	Install hardware in accordance with PGT drawing No. TDI-5455.1, dated May 7, 2013. Revision A dated January 22, 2021. Signed and sealed by Anthony Lynn Miller, P.E. on January 25, 2021.
	Surface mount 4-point locking system	1 (active panel)	
	Concealed manually operated flush bolts	1 (inactive panel)	
	Surface mounted metallic keepers	2 (inactive panel)	
	Surface mounted metallic strike plate	1 (inactive panel)	
	Surface mounted metallic keeper	1 (frame head)	

Product Identification (Certification Label on Door):

System		
1	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 190-1008
	Product name	FD455 OS French Door XX
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Product Identification (Certification Label on Door)-continued:

System		
2	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 190-1004
	Product name	FD455 Sidelite
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 190-1005
	Product name	FD455 Transom
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-3	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

System		
1-3	Type of installation	Install in accordance with PGT drawing No. TDI-5455.1, dated May 7, 2013. Revision A dated January 22, 2021. Signed and sealed by Anthony Lynn Miller, P.E. on January 25, 2021.
	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.