

Product Evaluation

DR736 | 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-736

Effective Date: April 1, 2021

Re-evaluation Date: May 2023

Product Name: Series FD5555 (FD555) Glazed Vinyl Outswing Side Hinged French Doors, with or without Sidelites and Transoms, 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 FD5555 French Doors; XX	R-PG70 (76 x 96)-SHD Missile Level D	+70 / -70 psf
2	Series FD5555 French Doors; XX	See label for System 1 Missile Level D	+50 / -50 psf
3	Series FD5555 Sidelite; O	R-PG70 (40 x 111)-SLT Missile Level D	+70 / -70 psf
4	Series FD5555 Transom; O	R-PG70 (111 x 40)-TR Missile Level D	+70 / -70 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Maximum Daylight Opening Size
1-2	76" x 96"	38" x 93-3/4"	26-9/16" x 84"
3	40" x 111"	N/A	35-3/16" x 106-1/4"
4	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
1-4	Hinges	4 per door panel	Install hardware in accordance with PGT drawing No. TDI-5555.1, 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# 190-276 (Impact) CAR# 190-1009 (Structural)
	Product name	FD555 OS Impact French Door XX
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-09,12 Missile Level D
2	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 190-277 (Impact) CAR# 190-1009 (Structural)
	Product name	FD555 Outswing Impact French Door XX
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-09,12 Missile Level D
3	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 190-275 (Impact) CAR# 190-1007 (Structural)
	Product name	FD555 PVC Impact Sidelite (Impact) FD555 Impact Sidelite (Structural)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-09,12 Missile Level D
4	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 190-274 (Impact) CAR# 190-1006 (Structural)
	Product name	FD555 PVC Impact Transom (Impact) FD555 Impact Transom (Structural)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-09,12 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-4	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.

Installation:

System	
1-4	Type of installation
	Wall framing
	Fasteners
	Fastener location/spacing
	Fastener penetration
Install in accordance with PGT drawing No. TDI-5555.1, dated May 7, 2013. Revision A dated January 22, 2021. Signed and sealed by Anthony Lynn Miller, P.E. on January 25, 2021.	

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.