



Product Evaluation

DR736 | 1115

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: November 1, 2015

Re-evaluation Date: May 2017

Product Name: Series FD5555 Glazed Vinyl Outswing Side Hinged French Doors with 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
1	Glazed Outswing French Doors; Glass Construction Type 1 in Design Drawing	R-PG70 76 x 96 - Type SHD Missile Level D; DP=+50/-50 psf	+50 / -50 psf
2	Glazed Outswing French Doors; Glass Construction Type 2 in Design Drawing	R-PG70 76 x 96 - Type SHD Missile Level D; DP=+70/-70 psf	+70 / -70 psf
3	Sidelite	R-PG70 40 x 111 - Type SLT Missile Level D; DP=+70/-70 psf	+70 / -70 psf
4	Transom	R-PG70 111 x 40 – Type TR Missile Level D; DP=+70/-70 psf	+70 / -70 psf

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	76" x 96"	Active: 37-1/2" x 93-3/4" Inactive: 38" x 93-3/4"	26-9/16" x 84"
2	76" x 96"	Active: 37-1/2" x 93-3/4" Inactive: 38" x 93-3/4"	26-9/16" x 84"
3	40" x 111"	N/A	Wide Stile & Wide Rail: 28" x 98-7/8" Narrow Stile & Rail: 35-3/16" x 106-1/4"
4	111" x 40"	N/A	Wide Stile & Wide Rail: 28" x 98-7/8" Narrow Stile & Rail: 35-3/16" x 106-1/4"

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

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

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

Components & Hardware:

System	Component	Quantity	Attachment Method
1, 2	4" Butt Hinges-panel hinge stiles	4 per door panel	Install the hardware in accordance with PGT drawing "Series 5555 Large & Small Missile Impact-Resistant, Vinyl, Reinforced, Outswing French Door & Sidelite/Transom (SLT/TR)," drawing no. TDI-555.1, dated May 29, 2014, signed and sealed by Anthony Lynn Miller, P.E., on September 18, 2015.
	Surface mount 4-point lock system-active panel lock stile	1	
	Concealed manually operated flush bolts-inactive panel lock stile	1	
	Surface mounted metallic keepers-inactive panel lock stile	2	
	Surface mount metallic strike plate-inactive panel lock stile	1	
	Surface mounted metallic keeper-frame head	1	

Product Identification (Certification Agency Label on Door, Sidelite, or Transom):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 190-1009; CAR# 190-277
	Product Name	FD555 OS Impact French Door XX
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-06 ASTM E 1996-09/12; Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 190-1009; CAR# 190-276
	Product Name	FD555 OS Impact French Door XX
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-06 ASTM E 1996-09/12; Missile Level D
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 190-1007; CAR# 190-275
	Product Name	CAR# 190-1007: FD555 Impact Sidelite CAR# 190-275: FD555 PVC Impact Sidelite
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-06 ASTM E 1996-09/12; Missile Level D
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR# 190-1006; CAR# 190-274
	Product Name	CAR# 190-1006: FD555 Impact Transom CAR# 190-274: FD555 PVC Impact Transom
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-06 ASTM E 1996-09/12; Missile Level D

Product Labeling: Doors, sidelites, and transoms may be combined to form larger assemblies. Acceptable configurations are listed in the design drawing referenced in this product evaluation report. Door, sidelites, and transoms are labelled independently.

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System	
1, 2, 3, 4	Type of Installation
	Wall Framing
	Fasteners
	Fastener Embedment
	Fastener Location/Spacing
<p>Install the assembly in accordance with PGT drawing "Series 5555 Large & Small Missile Impact-Resistant, Vinyl, Reinforced, Outswing French Door & Sidelite/Transom (SLT/TR)," drawing no. TDI-555.1, dated May 29, 2014, signed and sealed by Anthony Lynn Miller, P.E., on September 18, 2015.</p>	

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.