

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

DR-659

Effective Date: December 1, 2013

Reevaluation Date: **January 2015**

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.

Chem-Pruf Fiberglass Reinforced Polymer Full Louver Outswing Hinged Double Doors, Impact Resistant manufactured by

Chem-Pruf Door Co., Ltd.
5224 FM 802
Brownsville, TX 78523
(800) 444-6924

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Fiberglass Reinforced Polymer Full Louver Outswing Double Doors; XX	77 x 87 XX Large Missile	+ 55 / -55 psf

Product Dimensions:

System	Overall Size	Door Panel Size	Louver Size
1	76.50" x 86.75"	36.00" x 84.00"	20.00" x 62.00"

Hardware:

- Sargent 10G05 lever activated cylindrical lock; One required; Secured to the active door panel with two (2) No. 12 x 1 ¼" screws.
- Lock strike plate; One required; Secured to the inactive panel stile with two No. 12 x 1 ¼" long screws.
- Sargent 475 deadbolt; One required; Secured to the active door panel with two No. 12 x 1 ¼" screws.
- Deadbolt strike plate; One required; Secured to the inactive panel stile with two No. 8 x 1 ¼" long screws.
- Chem-Pruf 304 4" butt hinges; Three required per door panel; Secured to the door panel with four No. 14 x 3" screws. Secured to the door frame side jambs with four No. 14 x 1 ¼" screws.
- Trimco 3917 manual flushbolts; Centered on the lateral edge of the inactive panel at the top and bottom; Secured with four (4) No. 8 x 1 ¼" screws; ½" diameter bolt, held in position with 2" x 1" x 0.060" thick plate on edge of panel.

Hardware (continued):

- Flushbolt steel plate; Located at the head; Secured with two No. 8 x 1 1/4" stainless steel screws.

Threshold:

- Panic Type 896V NGP, aluminum, 3/4 inch height

Product Identification:

System	Certification Agency	Keystone
1	Manufacturer's Name or Code Name	CAR #841-103
	Product Name	Outswing FBC Full Louver Double Door
	Test Standards	PA / TAS 201 / 202 / 203

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded

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

INSTALLATION INSTRUCTIONS

General: The door assemblies shall be installed according to the manufacturer's installation instructions and this product evaluation.

Wall Framing: The wood framing members shall be minimum Spruce-Pine-Fir dimension lumber.

Installation:

- Jamb:** No. 14 x 3 3/4" long stainless steel sheet metal screws; located approximately 5, 14 1/2, 38, 46 1/2, 70, and 81 3/4 inches from the top of each side jamb, in groups of two, 7/8 inches from the interior face and 1 inch from the exterior face.
- Head:** No. 14 x 3 3/4" long stainless steel sheet metal screws; located approximately 7 and 26 inches from each exterior corner, in groups of two, 7/8 inches from the interior face and 1 inch from the exterior face.
- Sill:** No. 10 x 1 1/2" long stainless steel sheet metal screws; located approximately 81 1/2, 20 1/2, and 32 3/4 inches from each end of the threshold, 2 3/4 inches from the exterior edge.

The fasteners shall be long enough to penetrate a minimum of 1 1/2 inch into the wood wall framing. For masonry and concrete applications, a 1/4" diameter Elco Tapcon anchor shall be used. The fasteners shall penetrate a minimum of 1 1/4 inches into the concrete and shall have a minimum 2 1/2 inch edge distance.

Note: The manufacturer's installation instructions shall be available on the job site during installation. Fasteners shall be corrosion resistant as specified in the International Residential Code (IRC); the International Building Code (IBC); and the Texas Revisions.