TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective April 1, 2011
DR-467

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 shall be subject to reevaluation March 2015.

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 FRP Opaque Fire Rated Outswing Door, Impact Resistant manufactured by

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

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

Chem-Pruf corrosion resistant doors are manufactured of fiberglass reinforced polymer (FRP) door faces permanently bonded to a one-piece stile and rail system. The interior cavity of the door is filled with a polyurethane honey comb. This product evaluation report is for fiberglass pharmaceutical outswing double doors based on the following tested construction:

General Description:

System	Description	Design Pressure Rating
1	Fiberglass Fire Rated Outswing Door; (X)	±75 psf

Product Dimensions:

System	Overall Size	Door Panel Size
1	37 ½" x 85"	35 ¾" x 83"

Glazing Description: None.

Frame Construction: The door frame is constructed of fiberglass reinforced polymer composite frame. The frame corners are butt jointed and mechanically fastened.

Panel Construction: The door leaf is manufactured of fiberglass reinforced polymer (FRP) door faces permanently bonded to a one-piece stile and rail system. The interior cavity of the door is filled with a polyurethane honey comb core material.

Reinforcements: None.

Hardware:

- Sargent Series 462 deadbolt.
- Sargent Series 10J05 cylindrical lock.
- Don-Jo Series 943-S-CW stainless steel wrap around lock system add-on, 1 7/8" w x 9" high x 4 1/4" deep. Secured with two (2) #8 x 3/8" screws into threaded inserts.
- Chem-Pruf stainless steel 4 1/2" x 4 1/2" butt hinges; Three (3) required per door; Secured to the door panel with four (4) No. 12 x 3" stainless steel screws. Secured to the door frame side jambs with four (4) No. 12-24 x 3/4" stainless steel screws.
- Deadbolt strike plate is stainless steel, fastened with two (2) #8 x 3/4" machine screws.
- Handle strike plate is stainless steel, fastened with two (2) #8 x 3/4" machine screws.

Product Identification: A label will be affixed to the door units. The label shall include the manufacturer's name, the design pressure rating, ASTM E 330, ASTM E 1886, and ASTM E 1996.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	37 1/2	85	± 75

Impact Resistant: This door assembly satisfies the Texas Department of Insurance's criteria for protection from windborne debris in both the **Inland I zone** and the **Seaward zone**. This door assembly passed an impact standard equivalent to Missile Level D specified in ASTM E 1996-02. The door 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 Southern Pine dimension lumber.

Installation:

Jambs: No. 14 x 2 1/2" long stainless steel sheet metal screws; Located approximately 5 inches from the header and spaced 12" o.c. thereafter. Each location has two (2) fasteners located 1 1/4" from the interior and exterior face.

Head: No. 14 x 2 1/2" long stainless steel sheet metal screws; Located approximately 4 inches from each end and one group at midspan. Each location has two (2) fasteners located 1 1/4" from the interior and exterior face.

Sill: No. 12 x 1 1/4" long stainless steel sheet metal screws; Located approximately 4 inches from each end and one at the center.

The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wood wall framing. For masonry and concrete applications, a 1/4" diameter Crete-Flex SS4 410 stainless steel masonry

anchor, 3 ¾" long may be substituted for the fasteners specified above. The fasteners shall penetrate a minimum of 1 ¼ inches into the concrete.

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.