

Engineering Evaluation Report

Joshua Royce, P.E.
3 Indian Springs Rd
Red Lion, PA 17356

Report: 100345

Manufacturer: Chem-Pruf Door Co., LTD
P.O. Box 4560, 5224 FM 802
Brownsville, TX 78521

Product: Fiberglass Fire Single Inswing/Outswing Door

Description of Product:

Head, jambs and panels made of fiberglass reinforced polymer (FRP) with the sill extruded from 6063-T6 aluminum. Frame corners are coped and butted at the head/jamb connection. Each jamb is mechanically fastened to the head using two #10 x 2-1/2" SS FHPS.

Submitted Technical Documentation:

1. Test Report ETC-09-1042-23034.2 dated 03/05/2010 signed and sealed by Joseph Labora Doldan, P.E. (FL P.E. 42929) of ETC Laboratories located in Rochester, NY.
TAS 201-94: Passed Large Missile Impact
TAS 202-94: Design Pressure: +/- 75.00 psf
Passed Forced Entry
Air Infiltration: 1.57 psf (0.02 scfm/ft²)
Water Infiltration: 0.0 psf
TAS 203-94: Design Pressure: +/- 75.00 psf
2. Test Report ETC-08-1042-20958.0 dated 06/09/2009 signed and sealed by Joseph Labora Doldan, P.E. (FL P.E. 42929) of ETC Laboratories located in Rochester, NY.
ASTM D2843: Passed Smoke Density (68.7%)
ASTM D635: Passed Rate of Burn (C1)
ASTM D1929: Passed Self Ignition Temperature (780° F)
ASTM D638: Passed % Difference in Tensile Strength (5%)
3. Installation Drawings report number 100345D signed and sealed by Joshua Royce P.E.
4. Anchor Calculation report number 100345A signed and sealed by Joshua Royce P.E.

Door Hardware: Door hardware consists of the following:

Door Hardware:

Quantity	Description	Manufacturer / Material
1	Lock System	Sargent 7500 Interconnected Lock
1	Latch Plate	Stainless Steel
2	Deadbolt Strike Plate	Stainless Steel
3	Handle Strike Plate	Stainless Steel
1	Wrap-around	943-S-CW Don Jo
2	Hinges – 4-1/2" x 4-1/2"	Chem-Pruf

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Limitations of Use:

1. Maximum product design pressure of +/- 75 psf.
2. Maximum overall single door size of 37-1/2" wide by 84-3/4" high by 5-3/4" deep.
3. Maximum door panel size of 35-3/4" wide by 83" high by 1-13/16" deep.
4. Rated for use in the High Velocity Hurricane Zone (HVHZ).
5. Product is impact resistant and will not require the use of an impact protection system if installed in the Wind Borne Debris Region.
6. Not approved for use where water infiltration resistance is required by the door, unless units are installed in a non-habitable area where the unit and the area are designed to accept water infiltration. Units shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of the canopy or overhang to the sill is less than 45 degrees.
7. Units must be installed as per the installation documented in drawing 100345D.
8. The installation details described herein are generic and may not reflect actual conditions for a specific site. If site conditions cause installation to deviate from the requirements detailed herein, a licensed engineer or architect shall prepare site specific documents for use with this document.

Compliance:

The above listed products have been shown to demonstrate compliance with the 2010 Florida Building Code and with the Florida Department of Community Affairs for Statewide Product Approval as per Rule 9N-3.005 method 1(d).

Certificate of Independence:

In accordance with Rule 9N-3.009, I do not have, nor do I ever intend to acquire, any financial interest in any manufacturing company associated with this evaluation report. I also do not have any financial interest in the manufacturing company or any company associated with the manufacturing company.