



## CHEM-PRUF P-SERIES HURRICANE RATED DOOR SYSTEM

PULTRUSION STILE AND RAIL CONSTRUCTION - CORROSION RESISTANT DOOR - HURRICANE RATED

Chem-Pruf P-Series Hurricane Rated fiberglass door systems have the strength and ratings behind it to meeting Florida Building Code (FBC), Texas Department of Insurance (TDI), and the International Building Code (IBC) for hurricane rated openings. The Chem-Pruf P-Series Hurricane Rated door is constructed with a phenolic impregnated kraft honeycomb core surrounded by a pultruded FRP tubular structural stile, rail, and midrail sub-frame. Hardware reinforcement provides the ultimate strength for screw retention and compression resistance. The door panels are completed with a strong chemical bond that fully integrates all components using a press-mold technology and are factory finished with a semi-gloss urethane topcoat. The Chem-Pruf P-Series Hurricane Rated doors are shipped fully prepped for hardware and come with a lifetime warranty!



# THE CHEM-PRUF P-SERIES HURRICANE RATED DOOR OFFERS PROTECTION FROM WIND SPEEDS IN EXCESS OF 200 MPH\*.

## HURRICANE RATED

The Chem-Pruf P-Series Hurricane Rated door has successfully tested to meet or exceed the requirements of the Florida Building Code (FBC), Texas Department of Insurance (TDI), and the International Building Code (IBC) for hurricane rated openings. This product has been assigned Florida Product Approval Number FL26592 and TDI Approval TX-4834 through TX-4838. These requirements include meeting specific design pressures up to and including +/- 100 pounds per square foot and large missile impact resistance with no shutters required. These pressures can translate to protection from wind speeds in excess of 200 mph\*.

## GELCOAT

The skins for the door begin with the application of an "in mold" 25-30 mil gel coat. A connective tissue is formed with a chopped strand glass fiber mat, followed by a muscular bi-axial glass fiber structural reinforcement layer that further strengthens the door skins.

The composite skins are simultaneously fused onto both faces and all edges of the door under pressure until cured - not only to the FRP sub-frame but to the entire honeycomb core - forming a bond that fully integrates all components. This is a highly advanced method of assembly using press-mold technology. Each door is factory finished with a specially formulated multi-component polyurethane industrial chemical coating for the semi-gloss color topcoat.

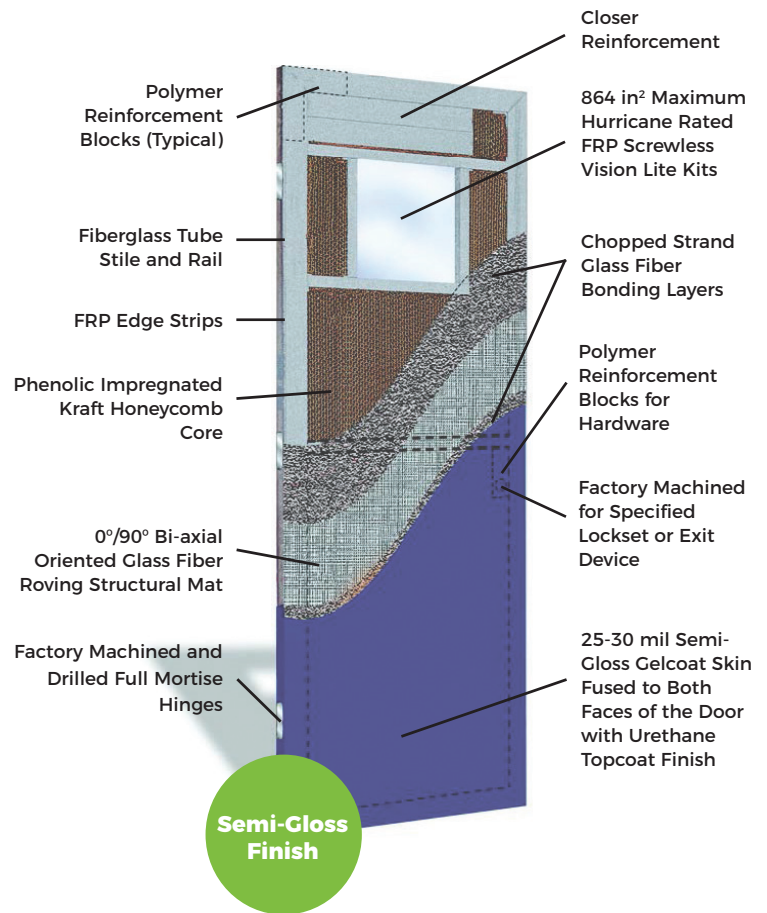
## STILE AND RAIL CONSTRUCTION

The stile and rail construction starts with a phenolic impregnated kraft honeycomb core surrounded by a rigid high-modulus, pultruded FRP tubular structural stile, rail, and midrail sub-frame.

At each of the sealed corner joints and hardware locations of the sub-frame, non-hygroscopic polymer blocking is inserted as reinforcement, providing the ultimate in strength for screw retention and compression resistance.

## WARRANTY

Each Chem-Pruf P-Series fiberglass door comes standard with a limited lifetime warranty and provides excellent service life and corrosion resistance for the most severe environments.



### Test standards used to evaluate the product to these various requirements include:

- FBC 2017
- TAS 201
- TAS 202
- TAS 203-94
- ASTM E 330-02
- ASTM E 1996

The Chem-Pruf P-Series Hurricane Rated door has passed for single swing and pair orientations incorporating our screwless FRP vision lite kit glazed with hurricane rated glazing and utilizing a variety of standard builders hardware.

## Specifications

Door Construction:

**25-30 mil gelcoat with semi-gloss urethane topcoat finish, phenolic impregnated kraft honeycomb core, rigid high-modulus pultruded FRP tubular structural stile, rail, and midrail sub-frame, non-hygroscopic polymer blocking hardware reinforcements**

Options:

**Pultruded Frame, 864 in<sup>2</sup> Maximum Hurricane Rated FRP Screwless Vision Lite Kit**



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