

# CORROSION RESISTANT Fiberglass Panels

**Fiber-Tech**  
INDUSTRIES

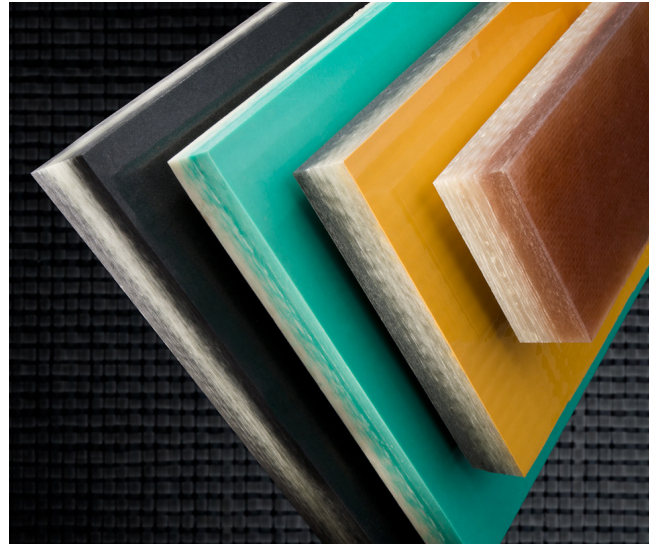
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## FRP Applications

- Commercial, Industrial & Wastewater
- Stack Floors
- Chimney Liners
- Breeching and Outlet Duct Systems
- Tanks, Vessels and Scrubbers

## Industries Served

- Chemical Processing
- Power
- Pulp and Paper
- Waste Water Treatment
- Mining/Smelting
- Petrochemical



Fiber-Tech Industries, Inc. is North America's largest producer of Fiberglass Reinforced Panels.

With over 30 years of experience, millions of square feet are produced annually at each of our three manufacturing facilities located in Michigan, Ohio and Washington.

Fiber-Tech Industries manufactures structural Fiberglass Reinforced Panels for use in the construction, corrosive, military, marine, and transportation markets

Fiberglass Reinforced Plastic (FRP) has been used for industrial application since the 1960's. Adapted from the marine industry, FRP was first used for seawater and other corrosive applications like those found in Pulp & Paper industry. Today FRP is a proven construction material for tanks, vessels,

scrubbers, stacks & chimney liners, piping, duct systems and other miscellaneous equipment in corrosive environments. FRP is a mature material used in corrosion resistant construction with many documented successful case histories.

Where metals reach their limits for chemical resistance, maintenance, or economic reasons, FRP should be your first choice. FRP panels are lightweight, corrosion-resistant, and above all, virtually maintenance free. Fiber-Tech's FRP is highly resistance to most of the chemicals used today and will not crack, chip peel, rust, rot or decay. FRP is pound for pound stronger than steel. Due to the lighter weight FRP requires less costly construction equipment to complete the job.

# CORROSION RESISTANT Specifications

## Industry Uses

### Power Industry

The corrosion resistance and physical strength characteristics of Fiber-Tech's FRP panels lend themselves to many applications in the power industry. Flue gas desulphurization scrubbers, absorbers, cooling water transmission and distribution and waste water containment are but a few of the proven power plant applications.

### Duct Systems

Duct Systems of virtually any size have been designed to utilize Fiber-Tech's flat panels and complement other components of a composites system. Like most other composite FRP structures, these components require little maintenance and never need painting, lowering lifetime cost of ownership.

### Chemical Processing Industry

Scrubbers/Absorption Towers  
Stack liners  
Ventilation & Duct Systems  
Breachings

### Performance Criteria:

**Corrosion Resistance:** This is controlled by the laminate structure and the resins used. A wide variety of thermoset resins are available to meet a wide range of service requirements, such as specific chemical exposure, temperatures, elongation, and strength requirements. Many of Fiber-Tech's panels utilize the physical properties of Ashland's Hetrion and Derakane fiberglass resins in order to provide our customers with products which have unique advantages over other conventional materials.

**Flame and Smoke:** With the use of additives to the resin system, Class 1 fire resistance can be achieved.

**Abrasion Resistance:** Additives can be blended into the resin system to achieve an abrasion resistant surface.

**Conductivity:** Depending on your specific panel application, static electricity can be managed through the use of carbon veils and special additives in the lamination schedule.

**Fiberglass Reinforcements:** The laminate schedule of fiberglass reinforcements can include carbon veils, e-glass woven rovings, continuous and chopped strand mats. Glass to resin ratio can be matched to meet job specific criteria.

**External Weathering Surface:** To improve weathering characteristics, a gel coat with UV inhibitors can be installed to the exterior of the panel.

### Panel Sizes:

Panel heights up to 10 feet and lengths up to 50 feet. All fiberglass panels are custom made, cut and shipped to your individual specifications therefore minimizing waste for your special application. Corrosive Resistant Fiberglass Panels can be manufactured in thicknesses from 1/8" to 1.25".

### Manufacturing Tolerances

Width $\pm$ 1/8"	Length $\pm$ 1/8"
Straightness $\pm$ 1/8"	Squareness $\pm$ 1/4"
(Adjacent corners)	(Diagonal corners)

Specifications are subject to change without notice.

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