

# Markets For Fiberglass Reinforced Plastic (FRP)

**Power**

## FRP Products for Power Facilities

Next time you walk through your utility plant, take a close look at your accessways, stairways and flooring. What do you see? Corroded, rusting metal? Slippery floors and stairways?

These unsafe conditions are accidents (and lawsuits) waiting to happen. Don't wait for trouble. Replace rusting metal and slippery surfaces with Fibergrate's slip-resistant, corrosion-resistant fiberglass products. Contact your local Fibergrate representative, or give us a call at 1-800-527-4043.

### Corrosion Resistant

For more than 30 years, Fibergrate has provided corrosion-resistant products for power facilities. The fiberglass construction resists rust that can cause metal products to give way without warning, resulting in serious injuries. FRP fiberglass grating, stair treads, floor plate, structural shapes and ladder and handrail systems have proven their value under the toughest conditions.

### Nonconductive

Engineered from the highest quality resins and fiberglass strands, Fibergrate products are nonconductive. This feature means that Fibergrate can be used confidently through power facilities thereby reducing the chance of accidents due to electric shock.



*Molded Grating*

*Stair Tread*

*Floor Plate*

*Covered Grating*

*Structural Shapes*

*Ladders & Handrail Systems*

# Fibergrate

Composite Structures

*High Performance Composite Solutions*

# Fibergrate FRP Features

## Scrubber Solutions

With the emphasis on clean air, more and more power facilities are using Fibergrate products in scrubber applications. Desulfurization is a highly corrosive process requiring the highest quality FRP grating for media support.

## Slip Resistant

Slips and falls are the leading cause of accidents in power facilities. According to the National Safety Council, the average cost of a lost industrial workday is \$35,000. Fibergrate slip-resistant products have consistently reduced slips and falls in power facilities.

Fibergrate grating, stair treads and covers, and floor plate feature a long-lasting, slip-resistant surface. Even after years of abuse, Fibergrate's products provide significantly higher slip resistance than metal, wood or concrete floors.



## Ergonomic

Fibergrate products have a slight resiliency that makes them comfortable to stand on for long periods. This gives an fatigue-reducing property that eases strain on workers' feet, legs and backs. People who stand on Fibergrate for long periods tell us they feel better and are more productive. Many of the leading industrial ergonomic consultants recommend Fibergrate products for working and walking surfaces.

## High Strength-to-Weight Ratio

Fibergrate products, manufactured as a composite of continuous fiberglass strands and high quality resin is integrally constructed for strength. Properly installed, Fibergrate products meet specified load requirements for steel and are more impact resistant than metal.

A high strength-to-weight ratio means that Fibergrate products weigh less than metal for the equivalent load capacity. Fibergrate's composite products weigh one-third the weight of steel and are therefore a more cost-efficient solution. Freight is considerably less and many smaller installations can be done with a two-man crew in a matter of hours.



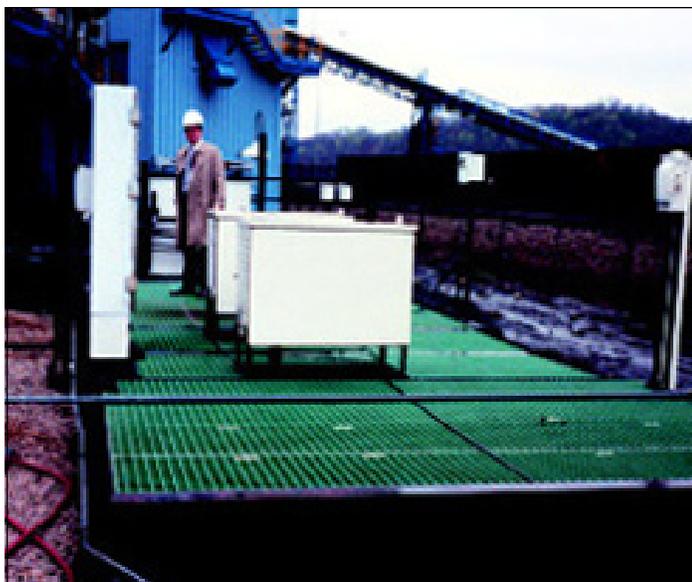
## No Welding Required

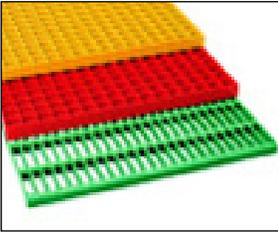
Fibergrate products are easily fabricated with hand tools and can be installed without welding. Unlike metal, Fibergrate panels do not require expensive end-banding when cut.

## Applications

- Walkways and Stairways in Coal-fired Power Plants
- Slip-resistant Flooring in Steam Condensation Area of Nuclear Plants
- Walkways and Stairways in Cooling Areas of Utility Plants
- Walkways around Exhaust Stacks
- Crossovers
- Landings

These are just a few of the pulp and paper applications where Fibergrate is providing long-lasting, economical solutions. Next time you walk through your facility, think about all the places Fibergrate can solve your problems.





### **Fibergrate® Molded Grating**

Fibergrate molded gratings are designed to provide the ultimate in reliable performance, even in the most demanding conditions. Fibergrate offers the widest selection in the market with ten resins including Chemgrate CP-84 and seventeen grating configurations available in many panel sizes and surfaces.

### **RIGIDEX® Moltruded® Grating**

RIGIDEX Moltruded gratings are the first fiberglass gratings to combine the corrosion resistance of molded grating with the longer span capacity of pultruded grating, all at the low cost of metal gratings.



### **Safe-T-Span® Pultruded Industrial and Pedestrian Gratings**

Combining corrosion resistance, long-life and maintenance-free designs, Safe-T-Span provides unidirectional strength for industrial and pedestrian pultruded grating applications.

### **Dynarail® Handrail**

Easily assembled from durable prefabricated components or engineered to your specifications, Dynarail handrail meets or exceeds OSHA and strict building code requirements for safety and design.

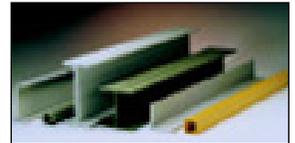


### **Dynarail® Safety Ladder System**

Easily assembled on site, Dynarail safety ladder systems meet or exceed OSHA requirements. Though less costly than prefabricated ladder systems, these safety ladders provide a custom fit to the supporting structure.

### **Dynaform® Structural Shapes**

Fibergrate offers a wide range of pultruded structural components for industrial use, including bars, rods, tubes, beams, channels, leg angles and plates.



### **Stair Solutions**

Fibergrate offers a wide range of slip-resistant products to meet your stair safety needs. These durable products which include treads, tread covers and covered stair treads are a long-term, cost-efficient solution for your facility.

### **Fabrication Services**

Combining engineering expertise with an understanding of fiberglass applications, Fibergrate provides turnkey design and fabrication of fiberglass structures, including platforms, catwalks, stairways and test racks.



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