

Markets For Fiberglass Reinforced Plastic (FRP) Products

Chemical

FRP Products for Chemical Processing Plants

Next time you walk through your plant, take a close look at your grating, stair treads and flooring. What do you see? Corroded, rusting metal. Slippery surfaces. Accidents waiting to happen. Floors needing to be replaced.

Don't wait for something bad to happen. For more than 30 years Fibergrate Composite Structures has provided long-lasting solutions with molded fiberglass products such as grating, stair treads, floor plate, structural shapes, and ladder and handrail systems.

Corrosion-resistant

Corrosion is a fact of life for chemical plants. Fibergrate's fiberglass (FRP) grating has been used in numerous chemical plants to replace metal grating and reduce slip and fall accidents. Fibergrate products are made of high-quality resins and thoroughly-wetted fiberglass for optimum corrosion resistance to a variety of acids and other chemicals.

Unlike metal grating, Fibergrate products are corrosion and rust resistant. For example, Fibergrate's Chemgrate CP-84 resin and interwoven fiberglass construction provides maximum corrosion resistance and strength.

Slip-resistant

Slips and falls are the second leading cause of lost workdays in the chemical processing industry. According to the National Safety Council, each lost workday costs an average of \$35,000.



Molded Grating

Stair Tread

Floor Plate

Covered Grating

Structural Shapes

Ladders & Handrail

Fibergrate

Composite Structures

High Performance Composite Solutions

Fibergrate FRP Products

Most slips and falls in chemical plants occur on walking and working surfaces. Fibergrate products feature a slip-resistant grit surface with one of the highest measures of safety. This slip-resistant surface does not easily wear off and helps reduce accidents in slippery processing areas.

Easy to install

All of Fibergrate's molded products can be fabricated with hand tools to fit any installation. Fibergrate's molded construction requires no banding. Cutouts for pipes are easy to make. Since Fibergrate materials weigh one third as much as metal grating, it is easier to handle, install and remove for maintenance.

IMPORTANT: Always wear suitable eye and dust protection devices when cutting fiberglass products. Read Fibergrate's "Guide to Fabrication" before cutting products.



Applications

Fibergrate's products are used throughout chemical plants to cover concrete floors and to replace metal grating, metal stair treads and wooden platforms.

- A major bleach manufacturer specified molded grating on a company-wide basis after testing it for use around mixing tanks.
- A large chemical company uses molded grating on its tank car and truck loading platforms.
- A chemical plant uses molded grating for a roofwalk system to allow maintenance access. There have not been any accidents, or leaks, since it was installed.
- A caustic ammonia processing plant replaced corroding metal grating with molded grating in 1979. No more problems in this nasty environment.
- A sulfuric acid plant replaced corroded diamond plate platforms around two scrubbers with Fibergrate products. Now its workers feel safe working on these high platforms.
- An acid recovery plant uses molded grating and stair treads for corrosion resistance and worker safety.

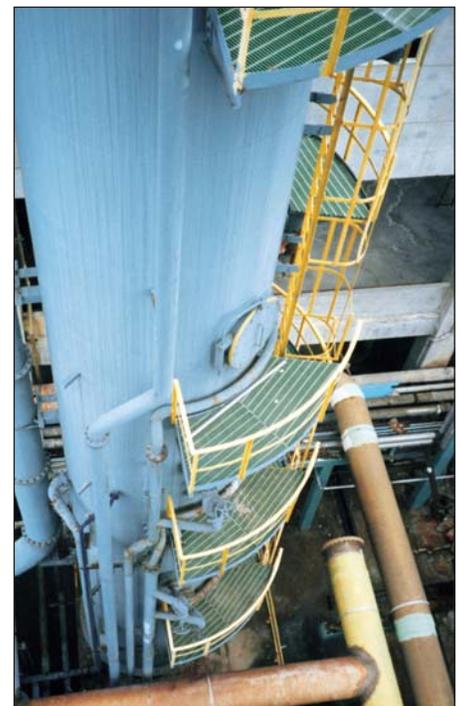


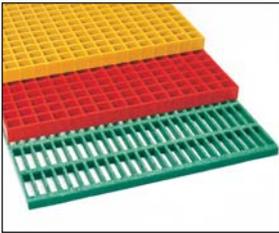
- A large dye manufacturing plant replaced its corroding metal manholes with manholes fabricated from FRP molded grating.
- A chemical company used floor plate to cover slippery checker plate stair treads, and saved the cost of replacing the stairway.
- A pharmaceutical chemical plant uses molded grating and stair treads for work platforms around corrosive chemical mixing tanks.
- A specialty lubricant plant covered slippery concrete floors with molded grating to help reduce slips and falls.



- A chemical plant replaced metal grating around a corrosive chemical processing area with molded grating.

These are just a few of the Chemical Processing Industry applications in which Fibergrate's products have proven themselves. Ask your local Fibergrate representative for more information about all the places Fibergrate products can solve your problems.



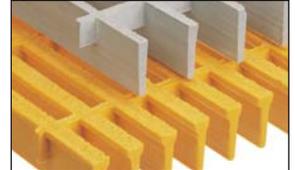


Fibergrate® Molded Grating

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.

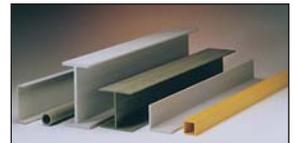


Dynarail® Safety Ladder System

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.

