



FRP BIOFILTERS



EXPLORE OUR FULL LINE OF FRP SOLUTIONS

DEFI Structural Fiberglass offers a wide variety of structural products made of fiberglass-reinforced polymer including PROForms® shapes, PROGrid® molded grating and PROGrate® pultruded grating. Our team of skilled engineering, design and manufacturing professionals is dedicated to helping customers maximize the benefits of FRP.

PRODUCTS

- Structural shapes
- Grating
- Decking
- Stairs and handrails
- Ladders and cages
- Fabricated structures

SERVICES

- Engineering
- Design and drafting
- Fabrication, including CNC machining and assembly
- Secondary coating and painting
- In-house testing

FABRICATION FORTES

- Platforms
- Ladders
- Handrails
- Catwalks
- Gratings
- Custom Fabrication



DEFI STRUCTURAL FIBERGLASS
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FEATURED PROJECT

FRP BIOFILTERS

Biofilters is the process of removing Volatile Organic Compounds (VOCs) from water and air from Wastewater Treatment Plants and Industrial Processes. By its very nature, it is a highly corrosive application. Traditional building materials are not resilient enough to withstand this environment long term. Structural Fiberglass and Fiberglass Grating provides the solution, delivering high corrosion resistance and a long term solution.

CHALLENGE

Facilities need an alternative to traditional building materials that are maintenance-free and corrosion-resistant. For this application, the support system needs to support a media that weighs 300 # per square foot; uniform load

SOLUTION

DEFI Structural Fiberglass provided 10" x 1/2" Wide Flange Beams, 10" x 1/2" Channels, plus Angle and Flat sheet, all made from Vinyl Ester Resin (VEFR). 1-1/2" thick VEFR Pultruded Grating was used as the top surface. All of the FRP Structure was supporting a large bed of multi-media, as shown in the pictures.

PRODUCTS TYPICALLY USED:



Angle



Wide Flange Beams



Channels



Pultruded Grating

