

Cargill Salt Processing Plant

Metals and Mining

Fibergrate
Composite Structures

Project Specs

Location: Breaux Bridge, Louisiana

Application: Walkways, Platforms, Handrails, and Stair Treads

Product: Vi-Corr® Molded Grating, Dynarail® Handrails, Fibertred® Stair Treads, Dynaform® Structural Supports



Overview

Cargill, Inc. is an International marketer, processor and distributor of agricultural, food, financial and industrial products. Cargill Salt produces, packages and ships salt for the following six major market segment applications: agricultural, food, water conditioning, industrial, chemical and packaged ice control. Cargill Salt makes over 1,000 different salt products/package sizes and markets national and regional brands. One of their many salt processing plants is located in Breaux Bridge, Louisiana. Cargill Salt uses three major production methods including: mechanical evaporation facilities, solar evaporation and harvesting from ponds, and rock salt mining from underground mines.



Problem

Cargill was looking for a product to use in their facility for walkways and platforms that had a better overall life cycle cost and the ability to withstand the highly corrosive conditions encountered at the plant.

Solution

Fibergrate's fiberglass reinforced plastic (FRP) products were selected by Cargill. Over a period of two years, Fibergrate replaced the plant's steel structures with fiberglass systems. The metal grating walkways in the dryer building, elevator structure, and caustic storage area were all updated using Fibergrate's Vi-Corr® molded grating. In addition, Vi-Corr® molded grating was also installed in the loading platforms. Dynarail® FRP handrails and Dynaform® FRP structural support components were also engineered for installation in the caustic storage area, while slip-resistant Fibertred® stair panels replaced metal stairways in the load-out area. Cargill continues to use Fibergrate products, replacing items as needed in other areas of the plant. Based on the quality of Fibergrate's FRP products, Cargill has a worry-free solution to the corrosive effects of its saltwater products on plant walkways and stairs.

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