

CASE STUDY

Chemical



Building the World to Last®

Project Specs

Location: Celaya, Guanajuato, Mexico

Application: FRP Safety Ladders for Acid Tanks

Product: Dynarail® Fiberglass Reinforced Plastic (FRP) Safety Ladders

Overview

This project was carried out at a newly constructed industrial facility in Celaya, Guanajuato, Mexico. The facility is owned by one of the largest manufacturers of automotive batteries in Mexico and Central America. Founded more than 90 years ago, this company has become an industry leader by providing automotive energy for all kinds of vehicles.



Problem

The customer approached Fibergrate regarding their warehouse that housed acid tanks at the newly constructed manufacturing plant. The steel ladders the customer used at their old facility to access the acid tank hatches corroded considerably fast due to the different corrosive acids spilling from the tanks.

Solution

Fibergrate Composite Structures provided seventeen Dynarail fiberglass reinforced plastic (FRP) safety ladders for the acid tanks. The corrosion resistant properties of FRP will help maintain the structural integrity of the ladders for years to come. Special clip angles securely anchor the ladder to the tanks, and the ladder rungs are made of heavily serrated flutes for slip resistant footholds, increasing the safety of the staff.

The customer is so pleased with the application that they are currently in talks with their Fibergrate local territory manager to add more FRP projects to this newly constructed facility.

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