

# CASE STUDY

## Chemical

### Project Specs

**Location:** Wisconsin

**Application:** Shelving and Floor Drains

**Product:** Chemgrate® Rectangular Mesh Molded Grating and Chemtreds®

### Overview

A battery storage room can be a complicated project. In order for it to work properly many things must be in play. Well-ventilated, spark-resistant, nonconducting battery racks/stands, and charger racking are just a few of the things that must be taken into consideration. After preparing the proper stands, a facility in Wisconsin took it a step further by seeking a corrosion-resistant shelving material.



### Problem

A battery storage and charging room is notorious for severe sulfuric acid conditions which rapidly break down most structural materials used to hold batteries. In a facility in Wisconsin, safety and corrosion resistance were two important factors in choosing Fibergrate products instead of wood which quickly disintegrates in such hostile environments.



### Solution

In this facility, shelving was designed from Chemtred panels chosen for its durable nosing which can withstand heavy wear caused by battery rotation. Floor drains were also covered with Chemgrate 1" x 4" rectangular mesh grating. Thanks to the corrosion-resistant properties of Chemgrate and Chemtreds, acid is easily removed from the shelves and drains using a simple washdown procedure. Fibergrate's products have created a longterm, low-maintenance solution in the harsh corrosive environment.

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