

CASE STUDY

Architectural and Commercial

Project Specs

Location: Car Wash Tunnel, Boston, Massachusetts
Application: Vent Covers and Trench Covers
Product: Chemgrate® Molded Grating, Chemplate® Molded Plate

Overview

A carwash located in Boston, Massachusetts wanted to decrease long term maintenance costs and improve safety conditions in the facility.

Problem

The owners were looking for a product with a slip-resistant surface that would not rust and would not require any supplemental treatment to prevent rust. It was also necessary that the surface be corrosion resistant and be one that wouldn't be impacted by the soap and chemicals produced in the carwash.

Solution

Fibergrate installed Chemgrate® 1-1/2" deep, 1-1/2" square mesh molded grating. The grating's resin, CP-84, is a chemical-grade premium polyester resin that offers excellent corrosion resistance. Therefore, the FRP (fiberglass reinforced plastic) grating would not be affected by the soap and chemicals, which attack steel and aluminum grating. Offering a slip-resistant surface, this grating provides a solid under footing in all kinds of slippery conditions, including grease, water, oil, chemicals and waste material. The carwash owners were extremely pleased with the results. The light-weight property of the grating made it simple to remove for inspections and cleaning purposes. Most important was the fact that the grating does not rust nor does it require treatment to prevent rust.

In addition, several vehicles which jumped the track did no structural damage to the grating. This is due to the integral makeup of continuous fiberglass strand interwoven throughout the panel and laid in a matrix of high quality resin. The carwash owners also utilized Chemplate® to cover their water recovery tanks providing a safe, slip-resistant walking surface for their employees.



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