

HLC PULTRUDED GRATING FOR TRENCHES

Overview

ExcelTech Aerospace is a maintenance, repair and overhaul company that is ranked among the world's most productive aircraft maintenance organizations. They opened a new state-of-the-art facility in Montréal in the summer of 2008 to include 140,000 sq. ft. for two brand new hangars. In these hangars, there are trenches that the planes roll over. The trenches serve a couple of purposes:

- As service pits for equipment (i.e. Electrical, mechanical and pneumatic systems used to work on the planes).
- To contain the sprinkler system, which is installed in the trench.

Problem

Traditionally, the grating used to cover the trenches were made out of cast iron or steel. These grates were extremely heavy and made it difficult to access mechanical systems in the trench. In order to move the grating, a forklift is required.

Solution

HLC pultruded grating was provided as the solution to cover the trenches. This gave the client a light-weight solution which allows workers to lift gratings by hand. The HLC pultruded grating can resist all the corrosive liquids that may come into contact with it (including salt, water, brake fluid and sprinkler foam). The grating was designed to support the heavy loads (up to 100,000 pounds) such as the planes that would roll over the trench. The client is extremely satisfied with the solution Fibergrate provided.

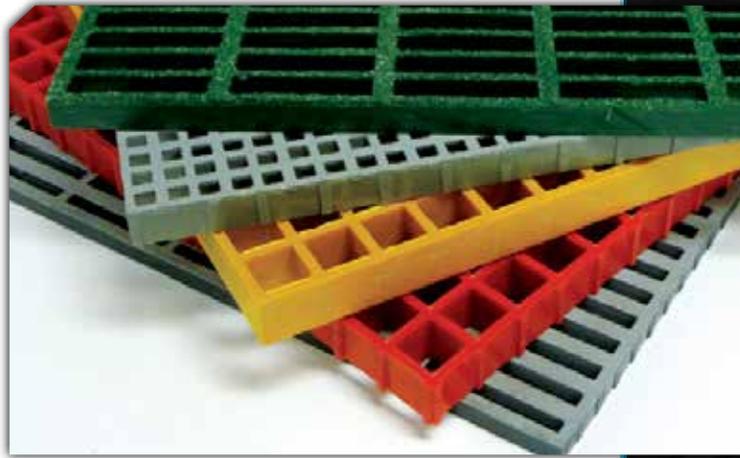
Products Used

- HLC pultruded grating

[Company Overview]

Fibergrate Composite Structures Inc. is the leading manufacturer of fiberglass reinforced plastic (FRP) solutions for industrial and commercial use globally. Fibergrate sets the standard for high-performance composite products with such proven brands as Fibergrate® and Chemgrate® molded grating, Safe-T-Span® pultruded grating, Dynarail® handrail and ladder systems, and Dynaform® structural shapes.

As the originator of FRP molded grating, Fibergrate began manufacturing in 1966 in Dallas, Texas. Today, Fibergrate's ISO 9001-2008 certified manufacturing facilities in Stephenville, Texas, and Querétaro, Mexico, manufacture a full line of FRP products and structural systems using a variety of technologies.



In 2010, Fibergrate proudly relocated its Canadian fabrication facility to open a new state-of-the-art Design & Innovation Centre in Oshawa, Ontario, Canada. This facility combines dedicated Design Teams, a skilled Drafting Department, Project Managers, Experienced Fabricators and an extensive selection of inventory. Using industry leading equipment, Fibergrate has been able to develop custom designs & modeling technologies as well as provide in-house fabrication services under strict quality control guidelines. Fibergrate combines proven engineering skills with an unmatched knowledge of composite material solutions to consistently deliver the most cost effective results.

Let us put our nearly 50 years of experience, products, design and fabrication capabilities to work on your next project.

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Fibergrate is a wholly owned subsidiary of RPM International Incorporated. RPM International Inc., a holding company, owns subsidiaries that manufacture and market high-performance coatings, sealants and specialty chemicals, primarily for maintenance and improvement. Such proven industrial brands include Carboline, Tremco and Stonhard; consumer brands include Rust-Oleum, DAP and Zinsser.

Fibergrate
Composite Structures

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