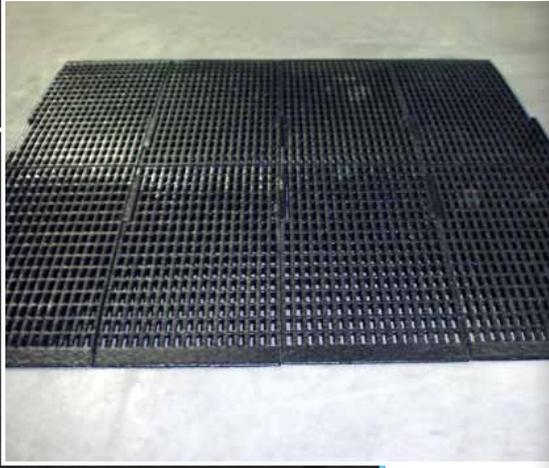


Fibergrate
Composite Structures

Power



PICKERING NUCLEAR GENERATING STATION – AIRLOCK RAMPS

Overview

Located on the shores of Lake Ontario just east of Toronto and nestled in the community of Pickering, is one of the world's largest nuclear generating facilities, the Pickering Nuclear Generating Station.

Pickering Nuclear has six operating CANDU (Canadian Deuterium Uranium) reactors. Together the station has a total output of 3,100 megawatts (MW), enough to serve a city of one and a half million people.

Problem

The Pickering Nuclear Generating Station requested a light-weight, durable, portable ramp system for transporting forklift and cart traffic through the Airlock System. The ramp system was required to withstand a concentrated load of 4,666 lbs applied to an area of 4" x 2".

Solution

Fibergrate's solution was to design and engineer a High Load Capacity Molded Grating Ramp System. Material testing and drawings were completed to ensure all requirements specified were met.

2" thick Grating was machined to 1/4" thick and the "Bridge Area" was machined down to 5/8" thick to carry over the steel lip in the Airlock doorway. Rhino Tuff Grip was applied for added durability and a 1/2" thick FRP Flatsheet was used to create a removable kickplate.

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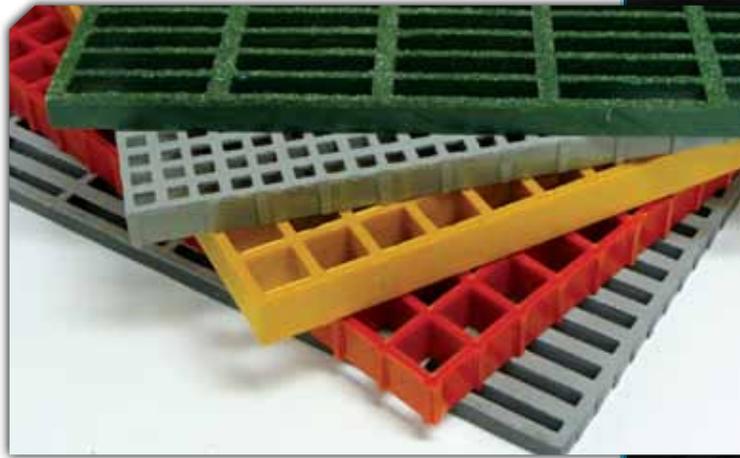
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[Company Overview]

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.

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