

WHEN GRATING RISES ABOVE THE GRADE

Since the early 1900s, a midwestern plating facility has been in the business of metal finishing and coatings for the aerospace, agricultural, automotive, construction, nuclear, defense, electronics, energy, food, and various other industries. The Dayton facility in Ohio recently completed a 12-million-dollar expansion project by adding an additional 26,000 square feet of operational space for four new plating lines and an onsite modern wastewater treatment facility. Today, the 126,000-square foot facility has 15 lines, 50+ processes, and services over 1,000 specifications. Each production line contains a storage tank filled with corrosive chemicals including but not limited to chromic acid, sulfuric acid, phosphoric acid, and boric sulfuric acid. To help with inspection and spillage prevention, the plating company needed an above-ground structure for detection and containment of liquids.

Harrington Industrial Plastics worked with the end user in procuring and securing DURAGRATE[®] molded fiberglass grating and



various EXTREN[®] Series 525 shapes to erect a durable and corrosion-resistant above ground structure. As an added measure for support and elevation, concrete pillars were installed to support the EXTREN[®] framework. DURAGRATE[®] molded grating was used for flooring, tank support, and personnel access around the perimeter of each tank. The designers utilized Strongwell's Corrosion Resistance Guide to determine the appropriate resin system for both product lines. Design elements were put into place using Strongwell's Design Manual, which aided in determining the spans and sizes of beams needed for this project.

The expansion project took about six months to complete. The customer was pleased with the quality and scheduling processes of Strongwell to ensure that the project completed on time. ●

TECHNICAL DATA

Product:	Plating Facility Tank and Access Platforms
Process:	Molded, Pultrusion
Materials & Sizes:	DURAGRATE [®] Molded Grating EXTREN [®] Series 525 Structural Shapes: - wide flange beam, angle, channel, plate
For:	Harrington Industrial Plastics
User:	A Midwestern Plating Facility



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