

Architectural Powder Coater

LEED HIMMEL INDUSTRIES Hamden, Connecticut

LEED HIMMEL INDUSTRIES is an aluminum extruder with in-house anodizing, powder coating, and PVDF fluoropolymer coating capabilities. The company supplies aluminum storefront, curtain wall, entrances, panel systems, and sunscreen systems to the commercial architectural market. It also supplies custom extrusions and custom machined and/or fabricated assemblies for specific projects.

From fall 2013 to spring 2014, the company worked on a powder coating project for the CT DOT Hartford to New Britain Busway, Flatbush Avenue Bridge. The project, an aluminum guard rail system, was completed in several phases, with LEED extruding the aluminum for a fence fabricator who later returned the assemblies to LEED for powder coating.

When the State of Connecticut originally contacted LEED, the finish specified was a three-coat maintenance system with epoxy primer, polyurethane color, and a polyurethane clear. LEED's staff advised the State that the system they wanted may seem to conform to its needs, but the actual coating thickness per coat that was required yielded a total VOC load as high or higher than a high VOC Kynar/Hylar paint system. Additionally, these types of maintenance coatings would not offer the color stability or chalking resistance that would be achievable with a single coat super durable polyester powder and no VOC contribution.



After several data and sample submissions, LEED's recommendation was accepted and the aluminum was coated with a TIGER Drylac Series 38 Super Durable RAL 5004 Deep Blue finish. The company used Nordson Encore guns for powder coating. The end result was a more cost-effective green finish with a performance warranty not offered by the originally specified system.

For additional information on this company, call LEED at 203/281-8081 or visit www.lead-himmel.com or www.leadhimmelextrusions.com.

SPOTLIGHT

AR Iron Henderson, Nevada

In 1989, after working for several years at a Las Vegas iron company, Fred Sclafani decided to start his own iron business. Fred and his wife, Sylvia, named the company after their children, Antonio and Rosalie, and thus, AR Iron was born. The business was initially run from their home with only four employees. Over the years, the company grew and expanded from the family residence to a 900-square-foot barn to a nearly 2-acre property. The company now boasts 20,000 square feet of production facilities and 20 employees.

Recently, the company worked on a railing project that it fabricated, media blasted, powder coated, and installed at the Venetian Hotel and Casino in Las Vegas, Nev. The Venetian was having issues with people jumping out of the parking garage and injuring themselves, so it wanted to install a preventative railing. AR IRON installed the railing on floors two through ten, with each floor having five sections each. The preventative railing has thousands of hand-rolled, solid, round bar scrolls. Decorative rosettes were welded on both sides of each endpoint of the scrolls. The company used garnet 80 mesh to media blast, AkzoNobel zinc rich primer, and Sherwin-Williams custom color matching in a TGIC for the top coat. The entire west wall of the parking garage was completed in less than 90 days.

AR IRON is dedicated and committed to providing quality work and giving customers the highest levels of satisfaction.



For more info, call
702/565-7161 or visit
www.arironllc.com.

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