



Galvanizing Insights

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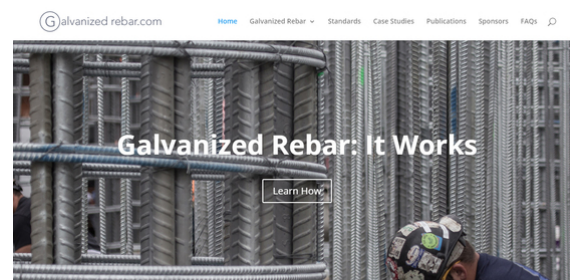


Galvanizing Innovations

New Galvanized Reinforcing Steel (Rebar) Website, Brochure, & Technical Center Launched

Corrosion damage to reinforced concrete structures costs an estimated \$20 billion annually in the U.S. alone and this figure is expected to grow by \$500 million each year as existing infrastructure continues to age. The use of galvanized reinforcing steel is one solution to this growing problem.

The American Galvanizers Association (AGA) and the International Zinc Association (IZA), in partnership with 13 supporting galvanizers, announce the launch of a newly redesigned [Galvanized Rebar](#) website, a new [rebar market-focused brochure](#), and a galvanized rebar technical service center.



Why Choose Galvanized Rebar?

-  Superior Corrosion Protection
Unlike painting and epoxy which are solely barrier-type coatings, galvanizing provides both barrier and sacrificial protection to the underlying steel.
-  History of Performance
Zinc coated steel has been used in concrete as far back as 1908 and found regular use as a reinforcing material in the 1930s.
-  Unparalleled Bond Strength
Galvanized reinforcement in concrete has much better bond (or pull-out strength) than either black or epoxy coated reinforcement.

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The 2016 Excellence Awards Showcase Ingenuity, Innovation

The American Galvanizers Association (AGA) is pleased to announce the winners of the 2016 *Excellence in Hot-Dip Galvanizing Awards*. More than

120 projects were submitted representing the versatility of hot-dip galvanizing. All submissions were judged online by a panel of architects and engineers and are now featured in the [AGA Project Gallery](#).



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Ask Dr. Galv



Q: My design cannot be optimized to fit into the kettle - can I hot-dip galvanize by progressive dipping?

A: Hot-dip galvanizing is a complete immersion process, which means the parts must fit in the zinc bath to be coated. In North America, the average kettle length is 40 feet, but there are many 50-60 foot long kettles with depths ranging from 6-12

feet, and widths ranging from 5-8 feet. As a result, many oversized structures are designed in modules or sub-units which are able to fit in the kettle for later assembly after hot-dip galvanizing. Although it is preferable to galvanize large assemblies in suitable modules, progressive dipping can provide an alternative option when hot-dip galvanizing articles larger than the dimensions of the kettle.

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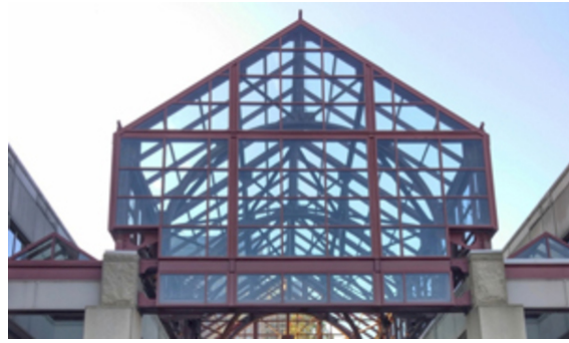
Quarterly Case Studies

Marketplace Center, MA

Boston, MA

One of the main features of Marketplace Center is the open "Walkway to the Sea." This is a steel framed, glass canopied structure designed to allow pedestrians to walk from Faneuil Hall directly to the waterfront. Since it is an architectural element and highly visible open structure

constantly exposed to the moist sea air, the architect wanted a coating system that would not only protect the steel from corrosion, but would also provide the aesthetics required of the structure. Based on these criteria, a duplex system of hot-dip galvanizing and paint was specified.



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