

ARMOR-SHIELD CSA Series

CALCIUM SULFONATE ALKYD

Got Lead?
...we've got you covered.

WATSON
COATINGS, INC.

COATINGS FOR ENCAPSULATING LEAD, RUST AND OLD COATINGS WITHOUT BLASTING

ARMOR-SHIELD CSA Series

A pervasive and costly problem has finally met its match

Lead has been used in coatings for corrosion protection dating back centuries. Mixed with linseed oil, the combination was valued by generations for its ability to thwart the development of rust on bridges, guard rails, tanks and pipelines.

Then we learned about the effects of exposure to lead and other heavy metals. These effects range from headaches and irritability, to learning disabilities, behavior problems, mental health...even heart and liver disease, stroke and death.

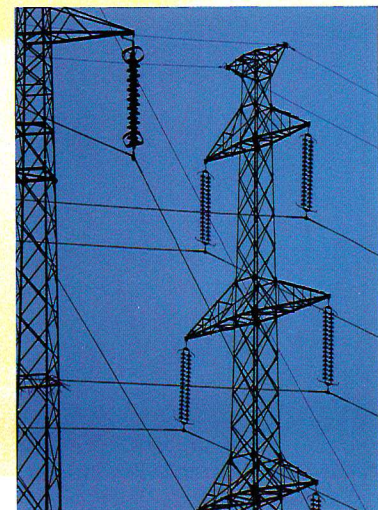
Removal of lead-containing paints quickly spawned an entire new industry...that of containment, worker exposure monitoring, measuring leachable lead or other heavy metals, as well as costly disposal.

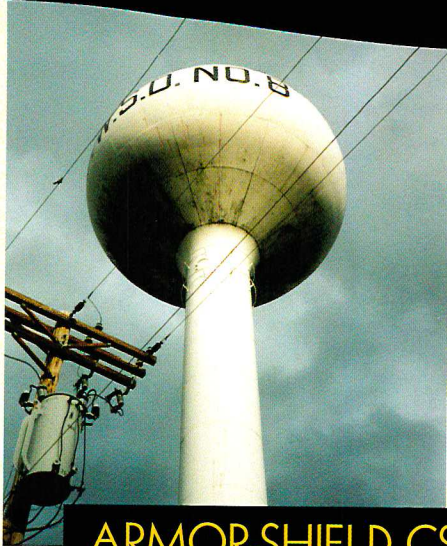
At Watson Coatings, Inc. we've built our business and our reputation on creating economical coatings for optimum corrosion control, without sacrificing the environment. We pioneered water-based and low VOC technology almost two decades ago...long before regulations mandated this practice. It was this commitment to superior quality and improving environmental standards that led us to develop the ARMOR-SHIELD CSA Series.

A family of coatings which includes AS8300 and AS236QD, eliminates the need for sand-blasting or containment and minimizes hazardous waste disposal costs and environmental contamination.



That is why we can say with all assurance, if you've got lead ...we've got you covered.





ARMOR-SHIELD CSA Series - Why It Works So Well

Watson Coatings, Inc. is a leader in VOC compliant coatings technology. Watson Coatings, Inc. is built on a commitment to provide environmentally compliant coatings...exclusively.

Throughout the 1970's and 1980's calcium sulfonate was used extensively in rust-proofing and underbody coatings for the automotive industry due to its unique anti-corrosion properties. Watson Coatings, Inc. has since developed a proprietary blend of solvents and resins that provide superior penetrating power and tenacious adhesion...without lifting existing coatings.



A low VOC calcium sulfonate coating system, with outstanding performance over existing coatings and unblasted steel surfaces, ARMOR-SHIELD CSA Series contains a unique blend of thixotropic resins that deliver high build to provide outstanding corrosion protection. These resins wet and bind to the substrate, whether it is steel, solidly adhering rust or existing coatings.

Plus, because ARMOR-SHIELD CSA Series can be applied at temperatures as low as 0° Fahrenheit, the painting season is extended by up to three full months. That gives you the widest window of opportunity for unsurpassed flexibility and quality.

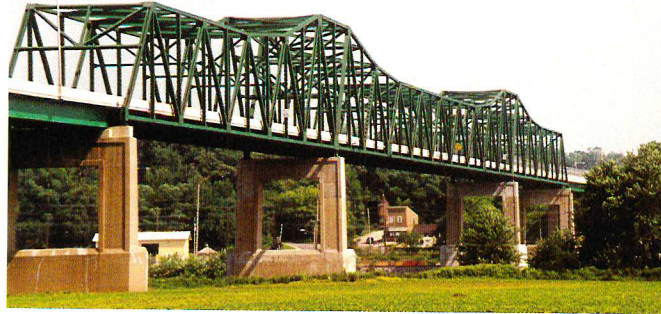
In fact, a study conducted by the Steel Structures Painting Council (SSPC) tested 73 coatings of nine generic types in various outdoor environments. Modified calcium sulfonate alkyd based coatings proved to be the best performers on hand-tool cleaned (wire-brushed) rusted steel.

What does this mean to you? It means you can safely delay the costly removal of lead-based coatings...perhaps indefinitely.



Indiana DOT Red Skelton Bridge

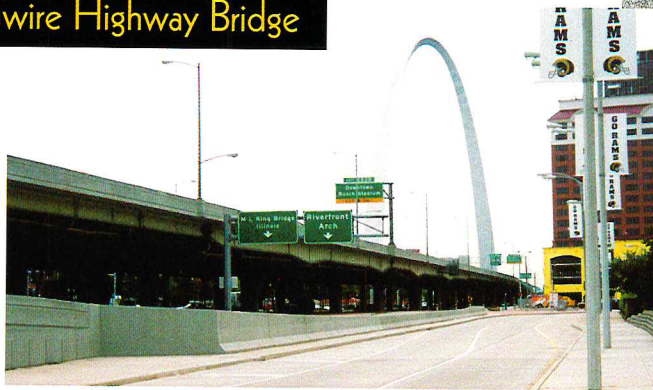
Indiana DOT was faced with the choice of either blasting and containing the removal of a red lead system or encapsulate and overcoat on the Red Skelton Bridge in Vincennes, Indiana. In 1990, they elected to encapsulate with AS8100, based on an estimated cost of 27 cents per square foot per year if they could extend the life of the bridge for 7 years. 12 years later, AS8100 is going strong, bringing their cost to 16 cents per square foot per year, compared to 41 cents for removal and an inorganic zinc/epoxy/urethane system.



In a documented report from IN DOT, AS8100 has far outlived the desired life extension of seven years. With each year of extended life, the actual cost decreases.

Missouri DOT I-70 Mark McGwire Highway Bridge

The I-70 Mark McGwire Highway Bridge was one of a series of bridges in St. Louis, Missouri coated with AS8300. In 1999, an estimated total of 5,200 gallons of ARMOR-SHIELD were used on the St. Louis bridge project. Missouri DOT has been using between 10,000 and 20,000 gallons per year for the past 4 years. MO DOT road crews apply AS8300 on most of Missouri's overpass bridges.



Kentucky Transportation Cabinet Bridge Project

The University of Kentucky conducted extensive testing on the Calcium Sulfonate Alkyd (CSA) coatings and the results revealed excellent performance when the CSA was applied over existing coatings. Based upon these results, in 2002 three separate test bridges near Grand Rivers in Newbern, Kentucky were spot primed with AS236RQD and top coated with AS236GQD. Ultimately, the Kentucky Transportation Cabinet has standardized on CSA coatings for most of Kentucky's overpass bridges and many larger bridges in the state.





The Proof Is In Our Customers

Arkansas Highway & Transportation Department

Indiana DOT

Kansas DOT

Kentucky Transportation Cabinet

Missouri DOT

Nebraska Department of Roads

Oklahoma DOT

Henry County Road Commission

Jackson County Highway Department

Alexander's Sandblasting and Painting

Americoat Painting Company

Bridges R Us

DeLong Industrial Painting

Don Schneider's Excavating

Dondlinger & Sons Construction

Emery Sapp and Sons

Hartman Walsh Painting

Hilty Quarries

Lindner Painting

Long Painting Company

Mar Jim, Incorporated

N. I. Spanos Painting

Thomas Industrial Painting and Coatings

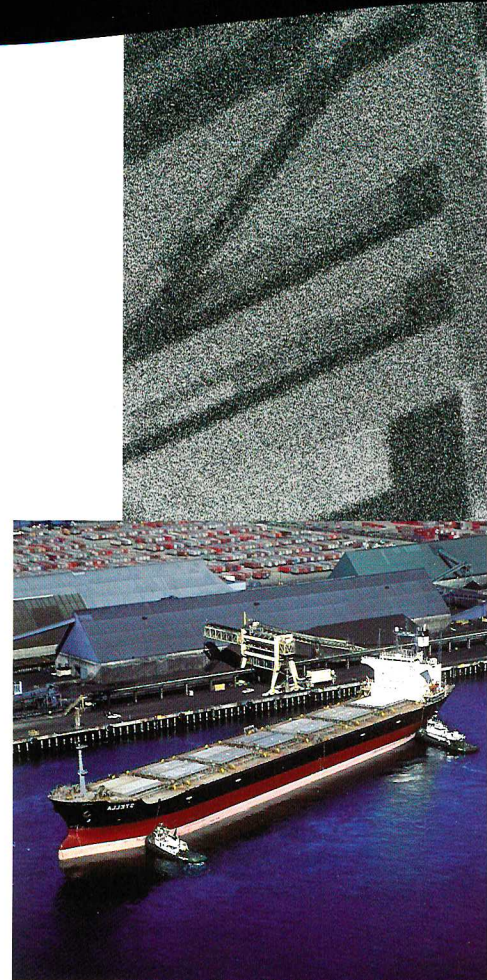
Davis-Monthan Air Force Base

Strategic Procurement Services

Georgia Power

U-Haul Company

Union Electric/Ameren UEand more!



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