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50 Years of Protection

This year marks the 50th anniversary of the introduction of Z.R.C., the original zinc-rich cold galvanizing compound. From a very quiet beginning, Z.R.C. has grown to become the world's leading zinc-rich coating.

We are also nearing a milestone for ZRC Worldwide, as we will celebrate our 94th year in business.

Even with nearly a century behind us, we are very much looking forward to the future. Rust and corrosion are still with us, and we must continue to fight the battle to protect and preserve metal surfaces. While the job will never be complete, we are more than holding our own against the enemy, as evidenced by the spectacular test results reported here.

Matthew Steele, President



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ZERO-VOC ZRC IS HERE! Environmentally Friendly Protection

Opening a new era in coating technology, ZRC Worldwide has introduced ZERO-VOC ZRC. This new product retains the proven corrosion protection properties of the company's flagship ZRC Cold Galvanizing Compound, but is environmentally safe, containing no volatile organic compounds (VOCs).

Product highlights of ZERO-VOC ZRC include:

- Contains no volatile organic compounds (VOC)
- Solvent-free formulation - no fumes or messy clean up
- Combines best features of organic and inorganic zincs
- Requires minimal surface preparation
- Convenient one-coat system (with multiple coat capability)
- Easily cleans up with water
- Heat resistant up to 1200°F
- Meets VOC standards in all 50 states

"After 10,000 hours of ASTM B-117 accelerated laboratory anti-corrosion testing and two years of field testing at locations around the globe, we are very pleased to introduce a ZRC formulation that contains no VOCs," stated Matthew R. Steele, president of ZRC Worldwide. "Just as important for field application, ZERO-VOC ZRC requires minimal surface preparation. It is a simpler, safer and easier product to use."

VOCs are generally produced from the binder and reducing solvents in a zinc rich compound and are highly regulated by both the U.S. Government and individual state environmental protection statutes. While standard ZRC is very low in VOC content (meeting the standards in all of the 50 states), the new ZERO-VOC ZRC compound is even more environmentally friendly.

ZERO-VOC ZRC is now available through ZRC Worldwide's network of distributors in the United States and around the world. For information on distributor locations, contact ZRC Worldwide at (800) 831-3275 (outside the U.S., please call (781) 319-0400) or e-mail at info@zrcworldwide.com.



From Paint to Protection: A History of ZRC



ZRC Worldwide began life in 1908 as Norfolk Paint & Varnish Company, a small paint manufacturer located in Quincy, Massachusetts. Norfolk, which was founded by George Felton, produced a line of high quality exterior house paints. Over the years, the company developed a strong reputation throughout the New England region.

Following World War II, George Felton, Jr., having assumed control of Norfolk from his father, actively sought ways to expand the product line of his business. He acquired a small local company, Sealube, that specialized in marine gasketing materials. But Sealube also had the exclusive rights to a product which Mr. Felton believed had enormous unrealized growth potential - a "zinc-rich" compound for corrosion prevention called Z.R.C.

Z.R.C. had been developed by an English chemist during World War II. Unable to get his product off the ground in Europe, he came to the United States to seek a willing manufacturer. When Norfolk acquired Sealube in 1966, the company had been producing Z.R.C. for fourteen years, with only moderate success.

However, George Felton became a true crusader for Z.R.C. and its amazing protective properties. With a strong marketing effort behind it, Z.R.C. Cold Galvanizing Compound soon became his company's primary product, eventually leading George to change the name of the business to ZRC Products Company.

Upon the untimely death of Mr. Felton, Matthew Steele took over leadership of ZRC Products Company. The company continued as a leading proponent of zinc based corrosion protection systems, and worked to develop new products for corrosion protection markets as diverse as construction, welding, manufacturing and field repair of galvanized metals.

In 1996 ZRC Worldwide first achieved ISO 9001 certification, a milestone that has since been renewed regularly.

In 1998, having outgrown the manufacturing facilities that were built on the original Norfolk site, ZRC moved into modern manufacturing, distribution and office space in Marshfield, Massachusetts. At the same time, the corporate name was changed to ZRC Worldwide to reflect the growing importance of exports to the company.



In 2000, ZRC Worldwide received the Export Achievement Award from the Massachusetts Port Authority and The Alliance for the Commonwealth.

As we enter our 94th year in business, ZRC Worldwide continues to be an innovator. The introduction of our latest product, ZERO-VOC ZRC, demonstrates our growing concern for the environment, and our commitment to develop and market environmentally sensitive products that continue to provide the best corrosion protection available.



Florida Q-Lab Results: Standing the Test of Time

ZRC Cold Galvanizing Compound's superior performance has been proven in actual use over the past 50 years. Still, we want to keep our edge. To do this we continually invest in laboratory and outdoor weathering tests designed to put maximum stress and exposure on our products.

In most tests, a metal substrate is coated with a ZRC product, then put through the paces of an accelerated salt fog corrosion chamber and prolonged exterior exposure in a difficult environment. In some tests, a scribe mark is scratched into the surface to test ZRC's ability to "heal" a break in its protective surface.

Time and time again, ZRC delivers outstanding test results. The cathodic protection afforded by ZRC consistently holds up against the most diabolical challenges we can throw at it.

We recently received results from an ongoing weathering test being conducted by the independent Q-Lab in Homestead, Florida. This test was begun in 1997, and exposed various panels (substrates) coated with several varieties of ZRC to extremes of heat, sunlight, humidity and tropical weather.



Among those products tested were "regular" ZRC, our high-solids ZRC-350 and our recently introduced ZERO-VOC ZRC.

The 54-month test results are nothing short of amazing. Of the sixteen test panels (four panels for each product), ten earned a "10" rating (on a scale of 1 - 10) designating "No Effect" in testing for face rust. The remaining five panels each scored "9," signifying almost the same absence of any evidence of rust.

These results are direct proof that the high zinc content of ZRC cold galvanizing products produces the highest degree of protection possible from corrosion. This true galvanic protection stands up even under the most severe conditions and exposure.

We will continue to invest in research and development to produce new products. We will also continue to invest in independent tests to make sure ZRC lives up to its billing as the world's best corrosion protection coating.

For complete test results, call Steve Collins at (781) 319-0400; or e-mail Steve at: spc@zrcworldwide.com.





Rep Profile: Joe Gorski

Meet Joe Gorski of Loren Industries, ZRC Worldwide's factory representative covering the Midwest and Great Lakes region. Joe is in the field to help you develop applications and specifications for ZRC, Galviline, ZRC-350 and our new ZERO-VOC product. He is ready to assist you in everything from technical input and analysis to estimating coverage needs and application recommendations. ("Should I spray or roll on?")

Joe's background is well suited to the task. He has a chemistry degree from the University of Illinois and had done graduate work at the Rolla Missouri School of Mines. Joe worked for many years in the chemical and paint industries, in both technical and sales positions, before starting Loren Industries 15 years ago. He is based in Clarendon Hills, Illinois, but puts in a ton of miles traveling throughout the region.

Have a question? Need an estimate? You can reach Joe via telephone at (630) 325-9200, or via e-mail at: joegorski@lorenindustries.com.



The reason why worry kills more people than work is that more people worry than work."

--Robert Frost

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