

SIOResin Transforms Zinc Rich Anti-Corrosion Coatings with Breakthrough High-Temperature and Salt Spray Performance

SIOResin's SIO-7213 Offers High-Temperature Resistance from 200°C~800°C and Over 2000 Hours of Neutral Salt Spray Protection for Industrial Applications

LOS ANGELES, CA, UNITED STATES, December 5, 2024 /EINPresswire.com/ -- SIO New Material ([SIOResin®](https://www.sioresin.com)), a leader in innovative coating solutions, has unveiled its latest product, the [SIO-7213 Waterborne High-Temperature Resistant Silicone Resin](https://www.sioresin.com/silicone-resin/sio-7213-waterbased-silicone-resin-for-zinc-rich-coatings.html). This groundbreaking development sets new benchmarks in the performance of zinc-rich anti-corrosion coatings, combining superior heat and salt spray resistance for demanding industrial environments.

Product details <https://www.sioresin.com/silicone-resin/sio-7213-waterbased-silicone-resin-for-zinc-rich-coatings.html>

Exceptional High-Temperature Endurance

SIOResin® SIO-7213 is designed to meet the rigorous requirements of high-temperature industrial applications. Capable of withstanding sustained exposure from 200°C to 650°C and short-term peaks up to 800°C, it outperforms traditional zinc-rich coatings, ensuring long-term reliability in extreme heat conditions.

Unmatched Salt Spray Resistance

One of the standout features of SIO-7213 is its unparalleled resistance to corrosion. A 15-micron coating formulated with this resin achieves over 2000 hours of neutral salt spray protection, delivering more than three times the durability of conventional inorganic zinc-rich primers.

Innovative Environmental and Application Benefits



<https://www.sioresin.com>
High-Temperature Zinc Rich Anti-Corrosion Coatings

As a waterborne [silicone resin](#), SIO-7213 offers significant environmental advantages, free of toluene and xylene, and complying with stringent environmental regulations. It cures through self-crosslinking at room temperature, eliminating the need for baking and simplifying application processes.



Additional features include:

- 1 Excellent Film-Forming Properties: Rapid surface drying with superior wetting and leveling performance.
- 2 Broad Compatibility: Works with spherical zinc powder, flake zinc powder, and zinc-aluminum alloy powder for versatile formulations.
- 3 Thick Application Stability: Resists chalking and peeling even under high temperatures.



We've applied SIOResin's zinc rich anti-corrosion coating on high-temperature pipelines, and it has significantly reduced maintenance costs while ensuring reliable performance under tough conditions"

Joseph

Wide-Ranging Industrial Applications

SIO-7213 is ideal for industries requiring high-performance anti-corrosion solutions, including power plants, petrochemical facilities, and heavy machinery. Its ease of use and robust performance make it a preferred choice for coating professionals worldwide.

"SIOResin's innovative SIO-7213 redefines the limits of zinc-rich coatings, offering unparalleled heat and corrosion resistance that address critical industry challenges," said Mr. Zhang, CEO of SIOResin. "We are proud to provide cutting-edge solutions that support our customers in

achieving superior durability and environmental compliance."

Availability

SIO-7213 is available in 50kg packaging and offers a shelf life of six months when stored under appropriate conditions.

Download TDS File from: <https://www.sioresin.com/technical-data-sheet/SIO-7213-TDS.pdf>

About SIOResin®

SIOResin® is a leading manufacturer specializing in innovative waterborne raw materials, offering comprehensive solutions for R&D, production, sales, and services. With a market-driven approach and a commitment to continuous innovation, SIOResin serves a wide range of industries including coatings, cosmetics, textiles, biology, machinery, construction, and medicine. Their product extensive product line includes water-based Polyurethane, waterborne Acrylic Resin, water-based Additives, Silicone Resin and Silicone Rubber, etc. Supported by a team of experts and multiple national patents, provide high-quality, competitive solutions that help clients succeed.

More Products:

<https://www.sioresin.com/silicone-resin.html>

<https://www.sioresin.com/water-based-polyurethane.html>

<https://www.sioresin.com/uv-cure-resin.html>

<https://www.sioresin.com/waterborne-acrylic-resin.html>

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For more information or to request samples, please visit <https://www.sioresin.com> or contact sales@sioresin.com

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