

SIOResin SIO-9323: Waterproofing Anti-Siphoning Perfection and Eco-Safe Innovation

Superior Anti-Siphoning: $\leq 4\text{mm}$ on Blended Fabrics, $\leq 2\text{mm}$ on Fiber Fabrics in 48-Hour Static Test—Redefining Waterproofing Excellence

NEW YORK, NY, UNITED STATES, March 18, 2025 /EINPresswire.com/ -- In an industry where performance and sustainability are increasingly intertwined, SIO New Material ([SIOResin®](#)) has unveiled a groundbreaking innovation that challenges conventional norms. The SIO-9323 [Water-Based Fluorine-Free Silicone Anti-Siphoning Waterproofing Agent](#) is not just another addition to the market—it is a game-changer, redefining what it means to achieve excellence in textile protection.

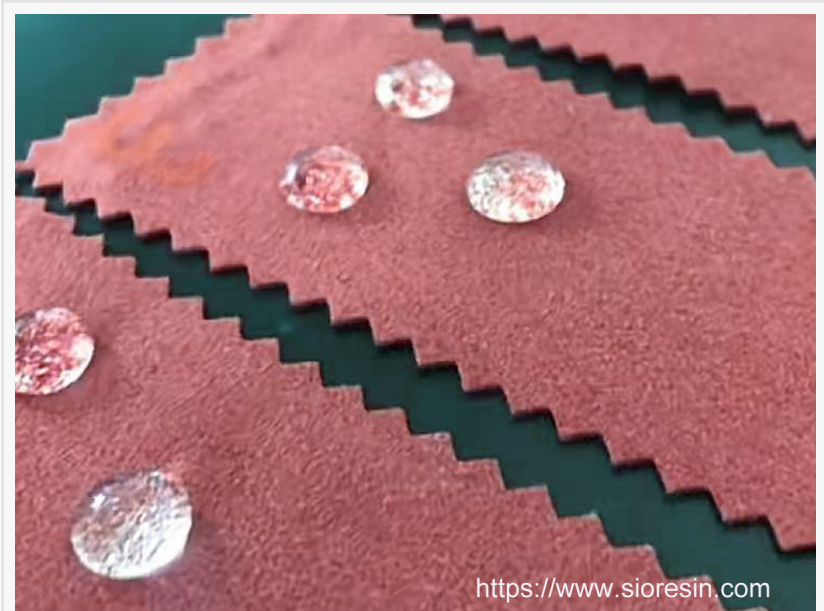
Details:

<https://www.sioresin.com/additive/sio-9323-fluorine-free-anti-siphon-waterproofing-agent.html>

A Leap Forward in Anti-Siphoning Performance

At the heart of SIO-9323 lies its unparalleled anti-siphoning capability. In rigorous 48-hour static tests, the product demonstrated liquid climb heights of $\leq 4\text{mm}$ on blended fabrics and a remarkable $\leq 2\text{mm}$ on fiber-based fabrics. These results not only surpass the industry benchmark of 10mm but also set a new standard for waterproofing agents.

What makes this achievement even more impressive is its application on ultra-hydrophilic microfiber shoe materials, a notoriously challenging substrate. By effectively mitigating capillary action, SIO-9323 ensures that liquids are repelled rather than absorbed, making it an ideal solution for high-performance applications such as footwear, outdoor apparel, and industrial textiles.



Waterproofing Anti-Siphoning Agent



SioResin



The anti-siphon performance of SIO-9323 is outstanding. It's safe, reliable, and aligns perfectly with our sustainability goals. Great product!"

Cameron

The Science Behind the Innovation

SIO-9323 is formulated with a star-linked structured silicone polymer, a cutting-edge approach that enhances its water repellency and anti-siphoning properties. Its cationic system ensures optimal adhesion to textile fibers, while its pH value of 4-6 makes it compatible with a wide range of fabrics.

The product's milky white translucent liquid form is easily

soluble in water, allowing for seamless integration into existing textile finishing processes. Whether applied through padding, spraying, or other methods, SIO-9323 delivers consistent results with minimal color change and a soft hand feel—a testament to its advanced formulation.

Eco-Friendly Excellence

In an era where environmental responsibility is non-negotiable, SIO-9323 stands out as a beacon of sustainability. Its water-based, fluorine-free formula aligns with REACH and RoHS standards, ensuring it is free from restricted substances. This makes it not only safe for the environment but also for workers handling the product.

Moreover, SIO-9323's eco-friendly credentials do not compromise its performance. Its wash durability ensures that treated fabrics retain their waterproof and anti-siphoning properties even after multiple cycles, offering long-lasting protection without the environmental toll of traditional alternatives.

Versatility Meets Practicality

One of SIO-9323's most compelling features is its versatility. It can be applied undiluted for maximum performance or diluted for cost-effective solutions, catering to diverse industrial needs. The addition of cationic crosslinkers further enhances its flexibility, making it suitable for both high-end and budget-conscious applications.

Post-application curing for 4-6 hours amplifies its effectiveness by over two times, a feature that underscores the product's innovative design. This adaptability, combined with its ease of use, positions SIO-9323 as a practical choice for manufacturers seeking to optimize their processes.

A New Era in Textile Protection

SIOResin's SIO-9323 is more than just a waterproofing agent—it is a testament to the power of innovation in addressing complex industrial challenges. By delivering market-leading anti-

siphoning performance, eco-safe credentials, and unmatched versatility, it sets a new benchmark for the textile industry.

Endorsement from SIOResin's CEO, Mr. Zhang

"At SIOResin, we believe that innovation should not come at the expense of sustainability.," said Mr. Zhang, CEO of SIOResin. "SIO-9323 embodies this philosophy by delivering exceptional anti-siphoning performance while adhering to the highest environmental standards. Our goal is to empower manufacturers with solutions that not only meet their technical demands but also contribute to a greener future. SIO-9323 is a testament to our commitment to pushing the boundaries of what's possible in textile protection."

Availability

SIOResin® SIO-93232 is available in 120KG packaging and offers a shelf life of 12 months when stored under appropriate conditions.

SIO-93232 is now available for sampling and testing. For more information or to request a sample, please contact SIOResin today.

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](#), Silicone Rubber, and waterborne curing agents, 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>

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

Blog: <https://www.sioresin.com/blog/>

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