

# **Waterborne Silicone Market Size, Share & Trends Analysis Report By Type (Emulsions, Dispersions, Gels), By Application (Paints & Coatings, Personal Care, Adhesives & Sealants), By End-use, By Region, And Segment Forecasts, 2025 - 2030**

<https://marketpublishers.com/r/W2D3AFEB6AF4EN.html>

Date: March 2025

Pages: 100

Price: US\$ 5,950.00 (Single User License)

ID: W2D3AFEB6AF4EN

## **Abstracts**

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### **Waterborne Silicone Market Growth & Trends**

The global waterborne silicone market size is anticipated to reach USD 2,369.07 million by 2030 and is projected to grow at a CAGR of 7.24% during the forecast period, according to a new report by Grand View Research, Inc. The market is a crucial segment of the global materials and coatings industry, driven by its superior performance, environmental benefits, and broad application potential. Waterborne silicones, derived from advanced polymer formulations, are widely utilized in industries ranging from construction and automotive to personal care and healthcare. Their unique properties, such as low VOC emissions, excellent adhesion, weather resistance, and flexibility, make them an ideal alternative to solvent-based silicones, aligning with the growing shift toward sustainable and high-performance materials. As industries worldwide prioritize regulatory compliance and eco-friendly solutions, the demand for waterborne silicone continues to accelerate.

A primary driver of growth in the market for waterborne silicone is the increasing adoption of low-emission coatings, adhesives and sealants across multiple industries. Compared to conventional solvent-based formulations, waterborne silicones offer enhanced safety, reduced environmental impact, and long-term durability, making them a preferred choice for manufacturers aiming to meet stringent sustainability targets. In

In addition, advancements in formulation technologies have led to the development of high-performance silicone emulsions, gels, and coatings tailored for specialized applications, such as biocompatible medical coatings, energy-efficient construction materials, and next-generation automotive finishes. With global regulatory frameworks tightening and industries seeking cost-effective, high-efficiency solutions, the waterborne silicone industry is poised for sustained expansion.

The market players are focusing on various strategic initiatives such as mergers, acquisitions, and collaborations. For instance, in February 2024, Silq Technologies Corp. and NuSil Technology LLC, a subsidiary of Avantor Inc., announced a collaboration to promote the use of Silq's zwitterionic surface treatment technology on medical devices made with NuSil silicone products.

### Waterborne Silicone Market Report Highlights

Based on type, emulsions held the largest share, accumulating USD 712.56 million market size in 2024.

Based on application, the paints & coatings segment dominated the market with the largest revenue share of over 36.64% in 2024.

Based on end use, the construction segment accounted for the largest revenue share of 27.72% in 2024.

Asia Pacific dominated the global waterborne silicone industry. With rising foreign direct investments (FDI) in real estate and infrastructure, the Asia Pacific market is poised for substantial growth in the coming years.

China was the leading manufacturer of waterborne silicone in the Asia Pacific region and captured around 61% of the revenue market share in 2024 in this region.

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