

# US Hydrophobic Coatings Market Size Study, by Material (Polysiloxanes, FluoroAlkylsilanes, Fluoropolymers, Others), by Fabrication Method (Chemical vapour deposition, Phase separation, Sol-Gel Process, Electrospinning, Etching), by Type (Anti-corrosion, Anti-Microbial, Other), by Application and Forecasts 2022-2032

<https://marketpublishers.com/r/U55043FF6C3CEN.html>

Date: June 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: U55043FF6C3CEN

## Abstracts

US Hydrophobic Coatings Market is valued at approximately USD 499.96 million in 2023 and is anticipated to grow with a healthy growth rate of more than 4.16% over the forecast period 2024-2032. Hydrophobic coatings are substances that resist water. The aim is to prevent water from adhering to the surface, causing it to create beads and roll away instead. Typically, these coatings are applied to a range of surfaces such as glass, metal, or plastic to offer advantages such as water and stain repellence, protection against rust, and simple upkeep. They function by changing the surface properties to decrease surface energy, which makes it difficult for water molecules to create strong bonds with the surface. This characteristic is applied in a range of fields such as automotive, construction, electronics, and textiles to enhance performance and longevity by being resistant to water. Multiple important trends are causing an increased emphasis on the US Hydrophobic Coatings Market. The increasing need for long-lasting and water-resistant coatings in industries such as automotive, construction, and electronics is driving the market expansion. Hydrophobic coatings, which withstand water and prevent corrosion and wear, offer a viable solution to the market's search for ways to increase the efficacy and longevity of its goods. Progress in nanotechnology is making it easier to create hydrophobic coatings that are more efficient and environmentally friendly, leading to market growth. As sustainability and eco-friendly practices gain importance, manufacturers face pressure to develop products that are

biodegradable and non-toxic. These elements combine to stimulate the expansion of the US Hydrophobic Coatings Market, appealing to customers seeking durable, eco-friendly options to protect against moisture damage.

The US Hydrophobic Coatings Market is experiencing significant growth due to a shift towards sustainable solutions, leading to increased demand for environmentally friendly coatings that reduce harmful chemicals. Technological advancements, especially in nanotechnology, are enhancing the effectiveness and durability of hydrophobic coatings, driving adoption across various industries. The expanding application scope, ranging from automotive to electronics and textiles, is further fueling market growth. Additionally, the focus on the performance and durability of these coatings, coupled with regulatory support for eco-friendly products, is driving their adoption. The booming construction and automotive industries in the US are also significant factors, as they require coatings that protect against water and environmental factors. However, the US Hydrophobic Coatings Market faces restraints including regulatory compliance challenges, increasing demand for eco-friendly products, cost barriers, technological complexities, competition from alternative technologies, and market saturation in certain segments.

Major market players included in this report are:

NeverWet, LLC

Cytonix, LLC

Nanovere Technologies, LLC

NEI Corporation

Aculon, Inc.

RPM International Inc.

DuPont de Nemours, Inc.

Minnesota Mining and Manufacturing Company

PPG Industries, Inc.

Nanophase Technologies Corporation

The detailed segments and sub-segments of the market are explained below:

By Material

Polysiloxanes

FluoroAlkylsilanes

Fluoropolymers

Others

#### By Fabrication Method

Chemical vapour deposition

Phase separation

Sol-Gel Process

Electrospinning

Etching

#### By Type

Anti-corrosion

Anti-Microbial

Anti-Icing

Self –cleaning

Anti-fouling

Other

#### By Application

Building & Construction

Electronics

Automotive

Textiles

Consumer Goods

Medical & Healthcare

Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

#### Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

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