

# Global Superhydrophobic Coatings Market Outlook to 2027

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## Abstracts

The superhydrophobic coating is made from composite materials where one component provides roughness, and another component provides low surface energy, thereby repelling water and acting as a coating between the environment & the substrate. According to BlueQuark Research & Consulting, the global Superhydrophobic Coating market is expected to witness a significant growth rate during the forecasted period. Factors like usage of Superhydrophobic coating in the Textile & Footwear industry due to anti-wetting and self-cleaning properties are expected to drive the global Superhydrophobic Coatings market. Further, the use of Superhydrophobic Coating in Automotive Industries for windshields, window glass, etc., is projected to drive the global market. Moreover, the increased use of Superhydrophobic Coatings in the healthcare industry due to their high resistivity to bacteria and other microorganisms is expected to drive the global Superhydrophobic market. However, the high price, environmental effects, and weak durability of Superhydrophobic Coating are expected to hamper the growth of the global market.

Superhydrophobic Coating is primarily used in textiles, footwear, roofs, doors, buildings, frames, handrails, barriers, pillars, vehicles, ships, etc. It can also be used to coat on materials like Aluminium, Steel, Concrete, Glass, Plastic Substrate, etc.

The Primary use of Superhydrophobic Coatings is in the Textile & Footwear Industry. The desirable properties of Superhydrophobic Coatings like strain resistance and water repellent, which were used in raincoats, have started to enter the textile market too, for self-cleaning textiles. Due to the self-cleaning properties, the material requires minimum washing resulting in saving water & energy. Due to the reduced washing, the material tends to be more durable & long-lasting. This kind of clothing is highly used in the medical industry as it avoids pathogens, microorganisms and reduces infections,

disease, etc. These are some of the primary driving factors that are expected to drive the global Superhydrophobic Coatings market. Further, the use of Superhydrophobic Coating in the footwear industry has increased significantly as it prevents the footwear from getting wet & muddy. Increasing population and increasing focus on quality footwear for the office, sportswear, and casual wear is expected to drive the global Superhydrophobic Coatings market. These factors are evaluated to drive the growth of the Global Superhydrophobic Coatings market.

Some of the market's key players are NEI Corporation, Rust-Oleum, P2i Ltd, Cytonicx LLC, Lotus Leaf Coatings, and Henkel AG & Co, among others.

Asia-Pacific region is expected to be a market leader in the future as it is one of the fastest-growing markets for Superhydrophobic Coating. China and India are the world's top Textile Industry driving the market for Superhydrophobic coating in the region. Other than China and India, even countries like Bangladesh, Vietnam, etc., are some of the major exporters of textile in the Asia Pacific region. Further, the usage of Superhydrophobic Coatings in the automotive industry for vehicle windshields to prevent raindrops from clinging to the glass and removing salt deposits is expected to drive the market in this region. Furthermore, Superhydrophobic coating on ship hulls yields a reduction in skin friction drag, thereby increasing fuel efficiency. This elevates the speed and range of the ship while decreasing the fuel cost. The coating can also reduce corrosion and prevent marine organisms from growing on the ship's hull. These are some of the primary factors that are expected to drive the Superhydrophobic market in this region. Moreover, the bacterial resistance of Superhydrophobic Coating has increased its usage in the medical industry for surgical tools, equipment, etc. Thus, factors like these have made Asia-Pacific an essential scope for the global Superhydrophobic Coating market.

In Sept 2021, Researchers from the University of Central Florida developed an Organic Nano-Material capable of repelling water.

In Dec 2020, Researchers from the University of Georgia developed hydrophobic coating to Prevent Infections.

Global Superhydrophobic Coating Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Superhydrophobic Coating market by segmenting based on the Type (Anti-Corrosion, Anti-Icing, Anti-Wetting, Self-Cleaning), End-User Industries (Textile & Footwear Industry, Automotive, Healthcare, Electrical & Electronics, Buildings &

Construction & Others). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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