

Antimicrobial Nanocoatings Industry Set to Surge with a 20.3% CAGR, Projected to Reach US\$ 5,893.7 Million by 2032 | FMI

The United States of America is estimated to be a key producer and consumer of antimicrobial nanocoatings all over the globe.



NEWARK, DELAWARE, UNITED STATES OF AMERICA, November 21, 2023

/EINPresswire.com/ -- The [antimicrobial nano-coatings industry](#) is anticipated to increase at a remarkable rate worldwide, with a projected compound annual growth rate (CAGR) of around 20.3% from 2022 to 2032.

The global market is anticipated to surpass a worth of US\$ 5,893.7 million by the end of 2032, having reached a valuation of US\$ 930.5 million in 2022. The global market for antimicrobial nano-coatings grew by around 7.6% annually from 2017 to 2021, according to Future Market Insights' estimates. Due to the steady growth of a number of end-use sectors, it has been observed in recent years that the need for antimicrobial nano-coatings has been rising globally.

Antimicrobial nano-coatings are known to be nanotechnology-based coating techniques that are used to kill both gram-positive and gram-negative bacteria. They can bind to bacterial cell membranes and interfere with bacterial metabolism to create a pathogen-free surface. The [demand for antimicrobial nano-coatings](#) is expected to be influenced by certain industrial and innovative factors, including their surging utilization in the healthcare, automotive, food & beverage, and packaging sectors. In addition to that, surging investments in research and development activities and the rising focus of companies toward sustainability are also projected to bode well for the market. As per the estimations, the antimicrobial nano-coatings market is expected to account for around 15%-18% of the global nano-coatings industry.

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Antimicrobial nano-coatings are predicted to gain immense popularity, especially within the healthcare sector owing to their ability to reduce the risk of microbes such as E. coli and legionella. They play a crucial role in maintaining infection control protocols. Furthermore, antimicrobial nano-coatings are also expected to find several drop-in centers, surgical rooms, home care, and hospitals with various products including pull cords, floors, beds, nurse call systems, cubicle curtains, handles, case note holders, paints, and walls. They are known to be

effective against viruses, fungi, and certain microorganisms such as methicillin-resistant *Staphylococcus aureus* (MRSA) and vancomycin-resistant enterococci (VRE), depending on the type of antimicrobial agent used.

Key Takeaways

Emerging economies such as India, China, and others have a higher growth potential in the antimicrobial nano-coatings market owing to the rapid growth in the industrial sector. These countries are presenting significant demand for antimicrobial nano-coatings on the back of rapid expansion of the medical & healthcare, food, packaging, as well as building and construction industries.

Antimicrobial nano-coatings are actively looking for applications in the healthcare sector in order to create a sterile environment in hospitals. In addition to that, surging investments by key players within the manufacturing industries via domestic and foreign direct investment (FDI) flows are expected to propel the antimicrobial nano-coatings market.

All the aforementioned factors are anticipated to create considerable growth opportunities for various companies along with paving way for the antimicrobial nano-coatings market within the global landscape in the assessment period. Furthermore, manufacturers in the automotive, building & construction, medical & healthcare, and food & beverages industries are likely to find a wide variety of applications for antimicrobial nano-coatings in emerging nations.

The widespread expansion of the construction industry in numerous countries including Ireland, the U.S., the U.K., Sweden, the Netherlands, Germany, Poland, and Hungary is further projected to drive the global antimicrobial nano-coatings market in the next ten years. Moreover, hefty government funding especially in Europe combined with the presence of supportive measures like incentives, tax breaks, and subsidies, is likely to aid growth.

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Competitive Landscape

Prominent key manufacturers in the global antimicrobial nano-coatings are shifting towards the adoption of plenty of business models, including backward integration and forward integration models. The rising adoption of different business models has aided companies to improve their manufacturing capabilities and avoid disruptions in the supply chain.

Key Companies Profiled

Bio-Gate AG

Nilima Nanotechnologies

Nano-Care Deutschland AG
NANOSONO LTD.
GBneuhaus GmbH
NANOPOOL GmbH
NANOPOOL GmbH
NANO4LIFE EUROPE L.P.
Vetro Sol
Inframat Corporation
P2i Ltd.
Nanofilm Ltd.

More Insights into the Antimicrobial Nano-coatings Industry

The U.S. is anticipated to dominate the global antimicrobial nano-coatings market by being the key producer and consumer all over the world. The U.S. antimicrobial nano-coatings market was valued at US\$ 240.4 Million in 2021. Growth in the country is attributed to the technological advancements in the medical & healthcare industry, the presence of well-developed healthcare facilities, and the high demand for microbes-free coatings are some of the key driving factors for the antimicrobial nano-coatings market in the U.S.

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Antimicrobial Nanocoatings Industry Outlook by Category

By Substrate:

Plastics
Glass
Metal & Alloys
Others

By Material Type:

Nano-silver
Nano-gold
Metal Halides
Organic Nanoparticles
Nanocomposites
Metal Nanohybrids
Others

By End-Use Industry:

Automotive
Building & Construction
Consumer Goods
Food & Beverages
Medical & Healthcare
Packaging
Textiles
Others

By Region:

North America
Latin America
Europe
East Asia
South Asia & Pacific
Middle East & Africa

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The global [medical grade coatings market](#) is projected to reach US\$ 7.61 billion in 2023 and is projected to reach US\$ 19.8 billion by 2033, expanding at a CAGR of 10% during the forecast period.

About Future Market Insights (FMI)

Future Market Insights, Inc. (ESOMAR certified, recipient of the Stevie Award, and a member of the Greater New York Chamber of Commerce) offers profound insights into the driving factors that are boosting demand in the market. FMI stands as the leading global provider of market intelligence, advisory services, consulting, and events for the Packaging, Food and Beverage, Consumer Technology, Healthcare, Industrial, and Chemicals markets. With a vast team of over 5000 analysts worldwide, FMI provides global, regional, and local expertise on diverse domains and industry trends across more than 110 countries.

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