

# Antimicrobial Coatings Market Report by Product Type (Silver Antimicrobial Coatings, Copper Antimicrobial Coatings, and Others), Application (Indoor Air Quality, Mold Remediation, Medical/Healthcare, Food and Beverage, Textile, and Others), and Region 2024-2032

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## Abstracts

The global antimicrobial coatings market size reached US\$ 5.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 11.4 Billion by 2032, exhibiting a growth rate (CAGR) of 9% during 2024-2032. The increasing awareness about the sick building syndrome, the development of eco-friendly and sustainable antimicrobial coatings and the introduction of nanotechnology represent some of the key factors driving the market.

Antimicrobial coatings assist in maintaining the quality of a surface by obstructing the growth of microorganisms, including fungi, parasites and bacteria. The usage of these coatings provides improved cleanliness and hygiene as they eliminate the requirement of frequent cleaning. Antimicrobial coatings are generally applied on walls, vents, counters and door handles. They work by using various active agents, such as silver, copper, zinc, and other metal ions and prevent the growth and reproduction of microorganisms. Some antimicrobial coatings also use quaternary ammonium compounds (QACs) and chlorine to kill or neutralize microbes on contact. Moreover, antimicrobial coatings help in sterilizing medical tools, surgical masks, gloves and clothing, they find vast applications in clinics, hospitals and healthcare centers. Besides this, they are also employed in industries, such as textile, automotive, healthcare, construction, and food and beverage. As a result, they are more cost-effective and offer lasting protection against pathogens due to which they are gaining traction across the

globe.

### Antimicrobial Coatings Market Trends:

The application of antimicrobial coatings not only improves the durability and appearance of a surface but also aids in shielding the surface from the attack of microbes. As a result, these coatings are widely used to eliminate the germination of pathogens that can cause infectious diseases, such as Ebola, influenza, mumps, measles, chickenpox and rubella. Apart from this, the increasing awareness about the sick building syndrome, wherein the occupants of a building experience acute health issues due to deteriorating air quality, is increasing worldwide. This has led to a rise in the demand for antimicrobial coatings for use in building interiors. In addition to this, manufacturers are investing in research and development activities to develop innovative products, sustain their market position and expand their overall consumer base. The market is further driven by the development of eco-friendly and sustainable antimicrobial coatings. Many manufacturers are developing coatings that are biodegradable and do not release harmful chemicals into the environment, which is gaining widespread prominence across the globe. Apart from this, the augmenting use of nanotechnology in antimicrobial coatings is also creating a positive market outlook as nanoparticles are being used to create coatings with superior antimicrobial properties that are more durable and long-lasting. Additionally, the rising demand for antimicrobial coatings in the food and beverage industry in order to prevent the growth of bacteria and other microorganisms on food processing equipment and packaging materials is acting as a growth-inducing factor. The market is further driven by continual advancements in nanotechnology and other manufacturing processes that have made it possible to produce highly effective antimicrobial coatings at lower costs, which has made these coatings more accessible to a wider range of industries and applications. Other factors, including rapid industrialization and extensive research and development (R&D) activities, are also positively influencing the market.

### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global antimicrobial coatings market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on product type and application.

### Product Type Insights:

Silver Antimicrobial Coatings  
Copper Antimicrobial Coatings  
Others

The report has provided a detailed breakup and analysis of the antimicrobial coatings market based on the product type. This includes silver antimicrobial coatings, copper antimicrobial coatings and others. According to the report, silver antimicrobial coatings represented the largest segment.

Application Insights:

Indoor Air Quality  
Mold Remediation  
Medical/Healthcare  
Food and Beverage  
Textile  
Others

A detailed breakup and analysis of the antimicrobial coatings market based on the application has also been provided in the report. This includes indoor air quality, mold remediation, medical/healthcare, food and beverage, textile and others. According to the report, medical/healthcare accounted for the largest market share.

Regional Insights:

North America  
Asia Pacific  
Europe  
Middle East and Africa  
Latin America

The report has also provided a comprehensive analysis of all the major regional markets, which include North America; Asia Pacific; Europe; the Middle East and Africa and Latin America. According to the report, North America was the largest market for antimicrobial coatings. Some of the factors driving the North America antimicrobial coatings market included the growing awareness among the masses regarding antimicrobial coatings, the emerging healthcare industry, intensive competition among leading players, etc.

### Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global antimicrobial coatings market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Akzo Nobel N.V., BASF SE, Diamond Vogel, Axalta Coating Systems, Nippon Paint Company Ltd, PPG Industries, Royal DSM, RPM International Inc., The DOW Chemical Company, The Sherwin-Williams Company, etc.

### Key Questions Answered in This Report

1. What was the size of the global antimicrobial coatings market in 2023?
2. What is the expected growth rate of the global antimicrobial coatings market during 2024-2032?
3. What are the key factors driving the global antimicrobial coatings market?
4. What has been the impact of COVID-19 on the global antimicrobial coatings market?
5. What is the breakup of the global antimicrobial coatings market based on the product type?
6. What is the breakup of the global antimicrobial coatings market based on the application?
7. What are the key regions in the global antimicrobial coatings market?
8. Who are the key players/companies in the global antimicrobial coatings market?

## Contents

### 1 PREFACE

### 2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### 3 EXECUTIVE SUMMARY

### 4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

### 5 GLOBAL ANTIMICROBIAL COATINGS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Product Type
- 5.5 Market Breakup by Application
- 5.6 Market Breakup by Region
- 5.7 Market Forecast

### 6 MARKET BREAKUP BY PRODUCT TYPE

- 6.1 Silver Antimicrobial Coatings
  - 6.1.1 Market Trends

- 6.1.2 Market Forecast
- 6.2 Copper Antimicrobial Coatings
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Others
  - 6.3.1 Market Trends
  - 6.3.2 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

- 7.1 Indoor Air Quality
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Mold Remediation
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Medical/Healthcare
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Food and Beverage
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast
- 7.5 Textile
  - 7.5.1 Market Trends
  - 7.5.2 Market Forecast
- 7.6 Others
  - 7.6.1 Market Trends
  - 7.6.2 Market Forecast

## **8 MARKET BREAKUP BY REGION**

- 8.1 North America
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Asia Pacific
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Europe
  - 8.3.1 Market Trends

- 8.3.2 Market Forecast
- 8.4 Middle East and Africa
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast
- 8.5 Latin America
  - 8.5.1 Market Trends
  - 8.5.2 Market Forecast

## **9 SWOT ANALYSIS**

- 9.1 Overview
- 9.2 Strengths
- 9.3 Weaknesses
- 9.4 Opportunities
- 9.5 Threats

## **10 VALUE CHAIN ANALYSIS**

## **11 PORTERS FIVE FORCES ANALYSIS**

- 11.1 Overview
- 11.2 Bargaining Power of Buyers
- 11.3 Bargaining Power of Suppliers
- 11.4 Degree of Competition
- 11.5 Threat of New Entrants
- 11.6 Threat of Substitutes

## **12 PRICE ANALYSIS**

- 12.1 Price Indicators
- 12.2 Price Structure
- 12.3 Margin Analysis

## **13 COMPETITIVE LANDSCAPE**

- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players

- 13.3.1 Akzo Nobel N.V.
- 13.3.2 BASF SE
- 13.3.3 Diamond Vogel
- 13.3.4 Axalta Coating Systems
- 13.3.5 Nippon Paint Company Ltd
- 13.3.6 PPG Industries
- 13.3.7 Royal DSM
- 13.3.8 RPM International Inc.
- 13.3.9 The DOW Chemical Company.
- 13.3.10 The Sherwin-Williams Company



## List Of Tables

### LIST OF TABLES

Table 1: Global: Antimicrobial Coatings Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Antimicrobial Coatings Market Forecast: Breakup by Product Type (in Million US\$), 2024-2032

Table 3: Global: Antimicrobial Coatings Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 4: Global: Antimicrobial Coatings Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Antimicrobial Coatings Market Structure

Table 6: Global: Antimicrobial Coatings Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Antimicrobial Coatings Market: Major Drivers and Challenges

Figure 2: Global: Antimicrobial Coatings Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Antimicrobial Coatings Market: Breakup by Product Type (in %), 2023

Figure 4: Global: Antimicrobial Coatings Market: Breakup by Application (in %), 2023

Figure 5: Global: Antimicrobial Coatings Market: Breakup by Region (in %), 2023

Figure 6: Global: Antimicrobial Coatings Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 7: Global: Antimicrobial Coatings Industry: SWOT Analysis

Figure 8: Global: Antimicrobial Coatings Industry: Value Chain Analysis

Figure 9: Global: Antimicrobial Coatings Industry: Porter's Five Forces Analysis

Figure 10: Global: Antimicrobial Coatings (Silver Antimicrobial Coatings) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Antimicrobial Coatings (Silver Antimicrobial Coatings) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Antimicrobial Coatings (Copper Antimicrobial Coatings) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Antimicrobial Coatings (Copper Antimicrobial Coatings) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Antimicrobial Coatings (Other Product Types) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Antimicrobial Coatings (Other Product Types) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Antimicrobial Coatings (Indoor Air Quality) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Antimicrobial Coatings (Indoor Air Quality) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Antimicrobial Coatings (Mold Remediation) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Antimicrobial Coatings (Mold Remediation) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Antimicrobial Coatings (Medical/Healthcare) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Antimicrobial Coatings (Medical/Healthcare) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: Antimicrobial Coatings (Food and Beverage) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Antimicrobial Coatings (Food and Beverage) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Antimicrobial Coatings (Textile) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Antimicrobial Coatings (Textile) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Antimicrobial Coatings (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Antimicrobial Coatings (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: North America: Antimicrobial Coatings Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: North America: Antimicrobial Coatings Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Asia Pacific: Antimicrobial Coatings Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Asia Pacific: Antimicrobial Coatings Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Europe: Antimicrobial Coatings Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Europe: Antimicrobial Coatings Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Latin America: Antimicrobial Coatings Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Latin America: Antimicrobial Coatings Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Middle East and Africa: Antimicrobial Coatings Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Middle East and Africa: Antimicrobial Coatings Market Forecast: Sales Value (in Million US\$), 2024-2032

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