

Antimicrobial Coatings Market by Type (Silver, Copper, Titanium dioxide), End-user Industry (Medical & Healthcare, Foods & Beverages, Building & Construction, HVAC system, Protective Clothing, Transportation), & Region - Global Forecast to 2027

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Abstracts

The Antimicrobial Coatings market size is estimated to be USD 4.2 Billion in 2022 and is projected to reach USD 7.0 Billion by 2027, at a CAGR of 10.8%. Out of three (Silver, Copper and Titanium dioxide) Silver is the major type of antimicrobial coatings. Silver has the largest market share due to its have high efficacy against viruses, bacteria, and other eukaryotic microorganisms. COVID-19 has created awareness among consumers about the importance of antimicrobial coatings in keeping themselves healthy and safe from virus and bacteria. This has increase demand in several new end-use industries like transportation, Building & Construction and Protective Clothing.

By Type, Silver accounted for the highest CAGR during the forecast period

Silver-based antimicrobial coatings are widely used in various applications because of there have high efficacy against viruses, bacteria, and other eukaryotic microorganisms. Silver-based antimicrobial coatings have proven strong inhibitory properties against bacteria and viruses, such as E.coli, H1N1 influenza, and Listeria. The efficacy of silver-based antimicrobial coatings depends on the size and shape of the silver ion used during manufacturing of coatings. It is directly related to the rate of ions released on the substrate surface. Nanoparticles with a uniform crystal structure are mostly used for manufacturing antimicrobial coatings. Once silver-based antimicrobial coatings are applied to the substrate, silver coatings release silver ions in a controlled manner continuously, which inhibits microbes or pathogens growth on the surface.

By End Use Industry, Medical & Healthcare industry accounted for the highest CAGR during the forecast period

In the medical & healthcare sector, the growing concern about hospital-acquired infections (HAIs) and their related impact on human health is driving the adoption of antimicrobial coatings. Similarly to avoid the spread and growth of the COVID-19 virus and other bacteria on the surfaces, several temporary built and existing healthcare facilities are using antimicrobial coatings as a protective layer on various human contact surfaces such as door handles, trails, beds and healthcare instruments. Antimicrobial coatings have thus emerged as an effective solution in the medical & healthcare sector to fight COVID-19.

APAC is projected to account for the highest CAGR in the antimicrobial coatings market during the forecast period

APAC is estimated to be the fastest growing market for antimicrobial coatings during the forecast period. Antimicrobial coatings market is estimated to register significant growth in China, Japan and India, due to availability of abundant raw materials and low-cost labor. COVID 19 has Increased awareness in APAC about the importance of antimicrobial coatings in keeping themselves healthy and safe from virus and bacteria. However, due to COVID-19, there has been a significant increase in the demand for antimicrobial coatings in medical & healthcare, protective coating, and HVAC system applications.

Antimicrobial Coatings Market comprises major players such as AkzoNobel N.V.(Netherlands), Axalta Coating Systems Ltd. (US), The Sherwin-Williams Company (US), BASF (Germany), PPG Industries Inc. (US), Nippon Paint Holdings Co. Ltd. (Japan), RPM International Inc. (US), Koninklijke DSM N.V.(Netherlands), Sika AG (Switzerland), Lanxess AG (Germany). Expansions, acquisitions, joint ventures, and new product developments are some of the major strategies adopted by these key players to enhance their positions in the Antimicrobial Coatings Market.

By Company Type: Tier 1: 40%, Tier 2: 20%, and Tier 3: 40%

By Designation: C-level Executives: 20%, Directors: 20%, and Others: 60%

By Region: North America: 40%, Europe: 40%, Asia Pacific: 15%, Rest of the World: 5%

Research Coverage

The market study covers the Antimicrobial Coatings market across various segments. It aims at estimating the market size and the growth potential of this market across different segments based on application, type, and region. The study also includes an in-depth competitive analysis of key players in the market, their company profiles, key observations related to their products and business offerings, recent developments undertaken by them, and key growth strategies adopted by them to improve their position Antimicrobial Coatings market.

Key Benefits of Buying the Report

The report is expected to help the market leaders/new entrants in this market share the closest approximations of the revenue numbers of the overall Antimicrobial Coatings market and its segments and sub-segments. This report is projected to help stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses and plan suitable go-to-market strategies. The report also aims at helping stakeholders understand the pulse of the market and provides them with information on the key market drivers, challenges, and opportunities

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 MARKET SCOPE

1.3.1 ANTIMICROBIAL COATINGS MARKET: SEGMENTATION

1.3.2 REGIONAL SCOPE

1.3.3 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

1.5 UNIT CONSIDERED

1.6 STAKEHOLDERS

1.7 LIMITATIONS

1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 ANTIMICROBIAL COATINGS MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Critical inputs from secondary research

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Critical inputs from primary interviews

2.1.2.2 Key data from primary sources

2.1.2.3 Key industry insights

2.1.2.4 Breakdown of primary interviews

2.2 APPROACH TO CALCULATE BASE NUMBER

2.2.1 ESTIMATION OF ANTIMICROBIAL COATINGS MARKET SIZE BASED ON MARKET SHARE ANALYSIS

FIGURE 2 MARKET SIZE ESTIMATION: SUPPLY-SIDE ANALYSIS

FIGURE 3 MARKET SIZE ESTIMATION: DEMAND-SIDE ANALYSIS

2.3 MARKET SIZE ESTIMATION

FIGURE 4 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

FIGURE 5 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

2.4 DATA TRIANGULATION

FIGURE 6 ANTIMICROBIAL COATINGS MARKET: DATA TRIANGULATION

2.5 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

FIGURE 7 FACTORS SUPPORTING GROWTH OF ANTIMICROBIAL COATINGS MARKET

FIGURE 8 SILVER SEGMENT ACCOUNTED FOR LARGEST SHARE OF ANTIMICROBIAL COATINGS MARKET, BY TYPE, IN 2021

FIGURE 9 MEDICAL & HEALTHCARE SEGMENT ACCOUNTED FOR LARGEST MARKET SHARE, BY APPLICATION, IN 2021

FIGURE 10 NORTH AMERICA DOMINATED ANTIMICROBIAL COATINGS MARKET IN 2021

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN ANTIMICROBIAL COATINGS MARKET

FIGURE 11 HIGH DEMAND FOR ANTIMICROBIAL COATINGS IN MEDICAL & HEALTHCARE SECTOR

4.2 ASIA PACIFIC ANTIMICROBIAL COATINGS MARKET, BY TYPE AND COUNTRY
FIGURE 12 SILVER SEGMENT AND CHINA ACCOUNTED FOR LARGEST SHARES OF ASIA PACIFIC ANTIMICROBIAL COATINGS MARKET IN 2021

4.3 ANTIMICROBIAL COATINGS MARKET, BY COUNTRY
FIGURE 13 SAUDI ARABIA TO REGISTER HIGHEST CAGR IN ANTIMICROBIAL COATINGS MARKET DURING REVIEW PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 14 ANTIMICROBIAL COATINGS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Increased demand for antimicrobial coatings in healthcare sector in post-COVID-19 period

TABLE 1 NATIONAL ACUTE CARE HOSPITAL HOSPITAL-ACQUIRED INFECTION (HAI) METRICS, 2020

5.2.1.2 Rising installation of heating, ventilation, and air conditioning (HVAC) systems
FIGURE 15 GLOBAL HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)

SYSTEM MARKET SIZE IN VALUE (USD BILLION) AND Y-O-Y GROWTH (%), 2016–2021

5.2.1.3 Increasing demand for antimicrobial coatings in food & beverage industry

5.2.2 RESTRAINTS

5.2.2.1 High costs of antimicrobial coatings and requirement for skilled labor

5.2.2.2 Need to comply with stringent governmental regulations

5.2.3 OPPORTUNITIES

5.2.3.1 Growing use of antimicrobial coatings in novel applications

5.2.3.2 Expanding smart antimicrobials market

5.2.4 CHALLENGES

5.2.4.1 Growing concern regarding toxicity of nanoparticles

TABLE 2 TOXICITY OF METAL NANOPARTICLES

5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 16 ANTIMICROBIAL COATINGS MARKET: PORTER'S FIVE FORCES ANALYSIS

5.3.1 BARGAINING POWER OF SUPPLIERS

5.3.2 BARGAINING POWER OF BUYERS

5.3.3 THREAT OF NEW ENTRANTS

5.3.4 THREAT OF SUBSTITUTES

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

5.4 SUPPLY CHAIN ANALYSIS

5.5 YC AND YCC SHIFT

5.5.1 YC SHIFT

5.5.2 YCC SHIFT

5.6 ECOSYSTEM ANALYSIS

5.7 CASE STUDY ANALYSIS

5.8 TECHNOLOGY ANALYSIS

5.9 TRADE ANALYSIS

TABLE 3 IMPORT TRADE DATA FOR SILVER NANOPARTICLES, 2021 (USD MILLION)

TABLE 4 EXPORT TRADE DATA FOR SILVER NANOPARTICLES, 2021 (USD MILLION)

5.10 TARIFF AND REGULATORY ANALYSIS

5.10.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 5 LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.11 KEY CONFERENCES AND EVENTS, 2022–2023

TABLE 6 ANTIMICROBIAL COATINGS MARKET: DETAILED LIST OF

CONFERENCES AND EVENTS

5.11.1 PRODUCT SELECTION CRITERIA

5.12 PATENT ANALYSIS

5.12.1 METHODOLOGY

5.12.2 DOCUMENT TYPE

FIGURE 17 DOCUMENT TYPE (2019)

FIGURE 18 PUBLICATION TRENDS, 2015–2020

5.12.3 INSIGHTS

FIGURE 19 JURISDICTION ANALYSIS (TILL 2019)

5.12.4 TOP APPLICANTS

FIGURE 20 TOP APPLICANTS, BY NUMBER OF PATENTS (TILL 2019)

TABLE 7 LIST OF PATENTS BY BECTON, DICKINSON AND COMPANY

TABLE 8 LIST OF PATENTS BY ROHM AND HAAS COMPANY & DOW GLOBAL TECHNOLOGIES LLC.

TABLE 9 LIST OF PATENTS BY ARGEN LAB GLOBAL LTD.

TABLE 10 LIST OF PATENTS BY ETHICON INC.

6 ANTIMICROBIAL COATINGS MARKET, BY TYPE

6.1 INTRODUCTION

FIGURE 21 SILVER SEGMENT TO HOLD LARGEST SHARE OF ANTIMICROBIAL COATINGS MARKET DURING REVIEW PERIOD

TABLE 11 ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 12 ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

6.2 SILVER

6.2.1 RISING DEMAND FOR HIGH-EFFICACY PRODUCTS IN VARIOUS APPLICATIONS

6.3 COPPER

6.3.1 RISE IN DEMAND FOR COPPER-BASED ANTIMICROBIAL COATINGS IN MEDICAL & HEALTHCARE SECTOR

6.4 TITANIUM DIOXIDE

6.4.1 GROWING POPULARITY OF TITANIUM DIOXIDE-BASED COATINGS IN SEVERAL APPLICATIONS

6.5 OTHERS

7 ANTIMICROBIAL COATINGS MARKET, BY APPLICATION

7.1 INTRODUCTION

FIGURE 22 MEDICAL & HEALTHCARE SEGMENT TO HOLD LARGEST SHARE OF ANTIMICROBIAL COATINGS MARKET DURING FORECAST PERIOD

TABLE 13 ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 14 ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

7.2 MEDICAL & HEALTHCARE

7.2.1 GROWING DEMAND FOR ANTIMICROBIAL COATINGS TO PREVENT HOSPITAL-ACQUIRED INFECTIONS (HAIS)

7.3 FOOD & BEVERAGE

7.3.1 GROWING CONCERN REGARDING MAINTAINING QUALITY OF FOODS AND BEVERAGES

7.4 BUILDING & CONSTRUCTION

7.4.1 GROWING AWARENESS REGARDING BENEFITS OF ANTIMICROBIAL COATINGS AND INCREASING DEMAND IN DEVELOPING COUNTRIES

7.5 PROTECTIVE CLOTHING

7.5.1 GROWING DEMAND FOR PROTECTIVE CLOTHING IN MEDICAL & HEALTHCARE SECTOR

7.6 HVAC SYSTEM

7.6.1 PRESENCE OF REGULATORY POLICIES REGARDING INDOOR AIR QUALITY IN SEVERAL COUNTRIES

7.7 TRANSPORTATION

7.7.1 GROWING USE OF ANTIMICROBIAL COATINGS IN AEROSPACE INDUSTRY

7.8 OTHERS

8 ANTIMICROBIAL COATINGS MARKET, BY REGION

8.1 INTRODUCTION

FIGURE 23 ASIA PACIFIC TO BE FASTEST-GROWING ANTIMICROBIAL COATINGS MARKET DURING FORECAST PERIOD

TABLE 15 ANTIMICROBIAL COATINGS MARKET, BY REGION, 2020–2027 (USD MILLION)

TABLE 16 ANTIMICROBIAL COATINGS MARKET, BY REGION, 2020–2027 (TON)

8.2 NORTH AMERICA

FIGURE 24 NORTH AMERICA: SNAPSHOT OF ANTIMICROBIAL COATINGS MARKET

TABLE 17 NORTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 18 NORTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY,

2020–2027 (TON)

TABLE 19 NORTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 20 NORTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 21 NORTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 22 NORTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.2.1 US

8.2.1.1 Rising demand for antimicrobial coatings in medical & healthcare sector

TABLE 23 US: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 24 US: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 25 US: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 26 US: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.2.2 CANADA

8.2.2.1 Booming medical & healthcare sector

TABLE 27 CANADA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 28 CANADA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 29 CANADA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 30 CANADA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.2.3 MEXICO

8.2.3.1 Low purchasing power and limited awareness regarding antimicrobial coatings

TABLE 31 MEXICO: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 32 MEXICO: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 33 MEXICO: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 34 MEXICO: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.3 EUROPE

TABLE 35 EUROPE: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 36 EUROPE: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (TON)

TABLE 37 EUROPE: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 38 EUROPE: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 39 EUROPE: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 40 EUROPE: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.3.1 GERMANY

8.3.1.1 Rising emphasis on safety of patients and hospital staff

TABLE 41 GERMANY: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 42 GERMANY: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 43 GERMANY: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 44 GERMANY: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.3.2 UK

8.3.2.1 Increasing healthcare spending

TABLE 45 UK: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 46 UK: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 47 UK: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 48 UK: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.3.3 FRANCE

8.3.3.1 Expanding medical & healthcare sector

TABLE 49 FRANCE: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 50 FRANCE: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 51 FRANCE: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,

2020–2027 (USD MILLION)

TABLE 52 FRANCE: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (TON)

8.3.4 ITALY

8.3.4.1 Presence of stringent workplace safety norms

TABLE 53 ITALY: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD
MILLION)

TABLE 54 ITALY: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027
(TON)

TABLE 55 ITALY: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (USD MILLION)

TABLE 56 ITALY: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (TON)

8.3.5 SPAIN

8.3.5.1 High focus on revival of economy after aftermath of COVID-19

TABLE 57 SPAIN: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027
(USD MILLION)

TABLE 58 SPAIN: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027
(TON)

TABLE 59 SPAIN: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (USD MILLION)

TABLE 60 SPAIN: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (TON)

8.3.6 RUSSIA

8.3.6.1 Growing concern about safety at workplaces

TABLE 61 RUSSIA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027
(USD MILLION)

TABLE 62 RUSSIA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027
(TON)

TABLE 63 RUSSIA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (USD MILLION)

TABLE 64 RUSSIA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (TON)

8.3.7 REST OF EUROPE

TABLE 65 REST OF EUROPE: ANTIMICROBIAL COATINGS MARKET, BY TYPE,
2020–2027 (USD MILLION)

TABLE 66 REST OF EUROPE: ANTIMICROBIAL COATINGS MARKET, BY TYPE,
2020–2027 (TON)

TABLE 67 REST OF EUROPE: ANTIMICROBIAL COATINGS MARKET, BY

APPLICATION, 2020–2027 (USD MILLION)

TABLE 68 REST OF EUROPE: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.4 ASIA PACIFIC

TABLE 69 ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 70 ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (TON)

TABLE 71 ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 72 ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 73 ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 74 ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.4.1 CHINA

8.4.1.1 Growing adoption of antimicrobial coatings in industrial sector to comply with international standards

TABLE 75 CHINA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 76 CHINA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 77 CHINA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 78 CHINA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.4.2 SOUTH KOREA

8.4.2.1 Growing demand for protective clothing

TABLE 79 SOUTH KOREA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 80 SOUTH KOREA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 81 SOUTH KOREA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 82 SOUTH KOREA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.4.3 JAPAN

8.4.3.1 Focus of paint and coating companies on strategizing growth plans by

keeping antimicrobial coatings at epicenter

TABLE 83 JAPAN: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027
(USD MILLION)

TABLE 84 JAPAN: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027
(TON)

TABLE 85 JAPAN: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (USD MILLION)

TABLE 86 JAPAN: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (TON)

8.4.4 INDIA

8.4.4.1 Growing awareness regarding benefits of antimicrobial coatings

TABLE 87 INDIA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD
MILLION)

TABLE 88 INDIA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027
(TON)

TABLE 89 INDIA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (USD MILLION)

TABLE 90 INDIA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION,
2020–2027 (TON)

8.4.5 AUSTRALIA & NEW ZEALAND

8.4.5.1 Growing adoption of antimicrobial coatings in industrial sector

TABLE 91 AUSTRALIA & NEW ZEALAND: ANTIMICROBIAL COATINGS MARKET,
BY TYPE, 2020–2027 (USD MILLION)

TABLE 92 AUSTRALIA & NEW ZEALAND: ANTIMICROBIAL COATINGS MARKET,
BY TYPE, 2020–2027 (TON)

TABLE 93 AUSTRALIA & NEW ZEALAND: ANTIMICROBIAL COATINGS MARKET,
BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 94 AUSTRALIA & NEW ZEALAND: ANTIMICROBIAL COATINGS MARKET,
BY APPLICATION, 2020–2027 (TON)

8.4.6 REST OF ASIA PACIFIC

TABLE 95 REST OF ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY
TYPE, 2020–2027 (USD MILLION)

TABLE 96 REST OF ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY
TYPE, 2020–2027 (TON)

TABLE 97 REST OF ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY
APPLICATION, 2020–2027 (USD MILLION)

TABLE 98 REST OF ASIA PACIFIC: ANTIMICROBIAL COATINGS MARKET, BY
APPLICATION, 2020–2027 (TON)

8.5 SOUTH AMERICA

TABLE 99 SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 100 SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (TON)

TABLE 101 SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 102 SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 103 SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 104 SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.5.1 BRAZIL

8.5.1.1 Rising demand for antimicrobial coatings in medical & healthcare sector

TABLE 105 BRAZIL: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 106 BRAZIL: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 107 BRAZIL: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 108 BRAZIL: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.5.2 ARGENTINA

8.5.2.1 Rising healthcare spending

TABLE 109 ARGENTINA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 110 ARGENTINA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 111 ARGENTINA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 112 ARGENTINA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.5.3 REST OF SOUTH AMERICA

TABLE 113 REST OF SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 114 REST OF SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 115 REST OF SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 116 REST OF SOUTH AMERICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.6 MIDDLE EAST & AFRICA

TABLE 117 MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 118 MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY COUNTRY, 2020–2027 (TON)

TABLE 119 MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 120 MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 121 MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 122 MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.6.1 SAUDI ARABIA

8.6.1.1 Government initiatives to develop healthcare sector

TABLE 123 SAUDI ARABIA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 124 SAUDI ARABIA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 125 SAUDI ARABIA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 126 SAUDI ARABIA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.6.2 UAE

8.6.2.1 Rising healthcare spending

TABLE 127 UAE: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 128 UAE: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 129 UAE: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 130 UAE: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.6.3 SOUTH AFRICA

8.6.3.1 Increasing penetration of antimicrobial coatings in medical & healthcare sector

TABLE 131 SOUTH AFRICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE,

2020–2027 (USD MILLION)

TABLE 132 SOUTH AFRICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 133 SOUTH AFRICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 134 SOUTH AFRICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.6.4 IRAN

8.6.4.1 Rise in demand for protective clothing, healthcare instruments, and medical devices

TABLE 135 IRAN: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 136 IRAN: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 137 IRAN: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 138 IRAN: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

8.6.5 REST OF MIDDLE EAST & AFRICA

TABLE 139 REST OF MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (USD MILLION)

TABLE 140 REST OF MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY TYPE, 2020–2027 (TON)

TABLE 141 REST OF MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (USD MILLION)

TABLE 142 REST OF MIDDLE EAST & AFRICA: ANTIMICROBIAL COATINGS MARKET, BY APPLICATION, 2020–2027 (TON)

9 COMPETITIVE LANDSCAPE

9.1 OVERVIEW

TABLE 143 COMPANIES ADOPTED PRODUCT LAUNCH AS KEY GROWTH STRATEGY BETWEEN 2019 AND 2022

9.2 MARKET SHARE ANALYSIS

FIGURE 25 ANTIMICROBIAL COATINGS MARKET: MARKET SHARE ANALYSIS

9.3 REVENUE ANALYSIS OF TOP FIVE MARKET PLAYERS

FIGURE 26 REVENUE ANALYSIS FOR TOP FIVE COMPANIES IN ANTIMICROBIAL COATINGS MARKET

9.4 ANTIMICROBIAL COATINGS MARKET: COMPANY EVALUATION QUADRANT,

2021

9.4.1 STARS

9.4.2 EMERGING LEADERS

9.4.3 PERVASIVE PLAYERS

9.4.4 PARTICIPANTS

FIGURE 27 COMPETITIVE LEADERSHIP MAPPING: ANTIMICROBIAL COATINGS MARKET, 2021

9.5 ANTIMICROBIAL COATINGS MARKET: SMALL AND MEDIUM-SIZED ENTERPRISE (SME) MATRIX, 2021

9.5.1 PROGRESSIVE COMPANIES

9.5.2 RESPONSIVE COMPANIES

9.5.3 DYNAMIC COMPANIES

9.5.4 STARTING BLOCKS

FIGURE 28 SME MATRIX: ANTIMICROBIAL COATING MARKET, 2021

9.6 COMPETITIVE SCENARIOS AND TRENDS

9.6.1 ANTIMICROBIAL COATINGS MARKET: DEALS

TABLE 144 DEALS, 2018–2022

9.6.2 ANTIMICROBIAL COATING MARKET: PRODUCT LAUNCHES

TABLE 145 PRODUCT LAUNCHES, 2017–2022

9.6.3 ANTIMICROBIAL COATING MARKET: OTHERS

TABLE 146 OTHERS, 2017–2022

10 COMPANY PROFILES

10.1 KEY PLAYERS

(Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)*)

10.1.1 AKZONOBEL N.V.

TABLE 147 AKZONOBEL N.V.: COMPANY OVERVIEW

FIGURE 29 AKZONOBEL N.V.: COMPANY SNAPSHOT

TABLE 148 AKZONOBEL N.V.: DEALS

TABLE 149 AKZONOBEL N.V.: PRODUCT LAUNCHES

TABLE 150 AKZONOBEL N.V.: OTHERS

10.1.2 AXALTA COATING SYSTEMS LTD.

TABLE 151 AXALTA COATING SYSTEMS LTD.: COMPANY OVERVIEW

FIGURE 30 AXALTA COATING SYSTEMS LTD.: COMPANY SNAPSHOT

TABLE 152 AXALTA COATING SYSTEMS LTD.: DEALS

TABLE 153 AXALTA COATING SYSTEMS LTD.: OTHERS

10.1.3 THE SHERWIN-WILLIAMS COMPANY

TABLE 154 THE SHERWIN-WILLIAMS COMPANY: COMPANY OVERVIEW

FIGURE 31 THE SHERWIN-WILLIAMS COMPANY: COMPANY SNAPSHOT

TABLE 155 THE SHERWIN-WILLIAMS COMPANY: DEALS

TABLE 156 THE SHERWIN-WILLIAMS COMPANY: OTHERS

10.1.4 BASF

TABLE 157 BASF: COMPANY OVERVIEW

FIGURE 32 BASF: COMPANY SNAPSHOT

TABLE 158 BASF: DEALS

TABLE 159 BASF: OTHERS

10.1.5 PPG INDUSTRIES, INC.

TABLE 160 PPG INDUSTRIES, INC.: COMPANY OVERVIEW

FIGURE 33 PPG INDUSTRIES, INC.: COMPANY SNAPSHOT

TABLE 161 PPG INDUSTRIES, INC.: DEALS

TABLE 162 PPG INDUSTRIES, INC.: PRODUCT LAUNCHES

TABLE 163 PPG INDUSTRIES, INC.: OTHERS

10.1.6 NIPPON PAINT HOLDINGS CO., LTD.

TABLE 164 NIPPON PAINT HOLDINGS CO., LTD.: COMPANY OVERVIEW

FIGURE 34 NIPPON PAINT HOLDINGS CO., LTD.: COMPANY SNAPSHOT

TABLE 165 NIPPON PAINT HOLDINGS CO., LTD.: DEALS

TABLE 166 NIPPON PAINT HOLDINGS CO., LTD.: PRODUCT LAUNCHES

TABLE 167 NIPPON PAINT HOLDINGS CO., LTD.: OTHERS

10.1.7 RPM INTERNATIONAL INC.

TABLE 168 RPM INTERNATIONAL INC.: COMPANY OVERVIEW

FIGURE 35 RPM INTERNATIONAL INC.: COMPANY SNAPSHOT

TABLE 169 RPM INTERNATIONAL INC.: DEALS

TABLE 170 RPM INTERNATIONAL INC.: OTHERS

10.1.8 KONINKLIJKE DSM N.V.

TABLE 171 KONINKLIJKE DSM N.V.: COMPANY OVERVIEW

FIGURE 36 KONINKLIJKE DSM N.V.: COMPANY SNAPSHOT

TABLE 172 KONINKLIJKE DSM N.V.: DEALS

10.1.9 SIKA AG

TABLE 173 SIKA AG: COMPANY OVERVIEW

FIGURE 37 SIKA AG.: COMPANY SNAPSHOT

TABLE 174 SIKA AG.: DEALS

TABLE 175 SIKA AG.: OTHERS

10.1.10 LANXESS AG.

TABLE 176 LANXESS AG.: COMPANY OVERVIEW

FIGURE 38 LANXESS AG.: COMPANY SNAPSHOT

TABLE 177 LANXESS AG.: DEALS

TABLE 178 LANXESS AG.: PRODUCT LAUNCHES

TABLE 179 LANXESS AG: OTHERS

10.2 OTHER PLAYERS

10.2.1 BURKE INDUSTRIAL COATINGS LLC

TABLE 180 BURKE INDUSTRIAL COATINGS LLC: COMPANY OVERVIEW

10.2.2 LONZA GROUP AG

TABLE 181 LONZA GROUP AG: COMPANY OVERVIEW

10.2.3 CLEVELAND-CLIFFS INC.

TABLE 182 CLEVELAND-CLIFFS INC.: COMPANY OVERVIEW

10.2.4 TROY CORPORATION

TABLE 183 TROY CORPORATION: COMPANY OVERVIEW

10.2.5 SPECIALTY COATING SYSTEMS INC.

TABLE 184 SPECIALTY COATING SYSTEMS INC.: COMPANY OVERVIEW

10.2.6 ALLIED BIOSCIENCE INC.

TABLE 185 ALLIED BIOSCIENCE INC.: COMPANY OVERVIEW

10.2.7 H.B. FULLER CONSTRUCTION PRODUCTS INC.

TABLE 186 H.B. FULLER CONSTRUCTION PRODUCTS INC.: COMPANY OVERVIEW

10.2.8 FIBERLOCK TECHNOLOGIES, INC.

TABLE 187 FIBERLOCK TECHNOLOGIES, INC.: COMPANY OVERVIEW

10.2.9 FLORA COATINGS LLC

TABLE 188 FLORA COATINGS LLC: COMPANY OVERVIEW

10.2.10 HYDROMER INC.

TABLE 189 HYDROMER INC.: COMPANY OVERVIEW

10.2.11 IFS COATINGS INC.

TABLE 190 IFS COATINGS INC.: COMPANY OVERVIEW

10.2.12 NANO-CARE DEUTSCHLAND AG.

TABLE 191 NANO-CARE DEUTSCHLAND AG.: COMPANY OVERVIEW

10.2.13 PROTECH-OXYPLAST GROUP

TABLE 192 PROTECH-OXYPLAST GROUP: COMPANY OVERVIEW

10.2.14 AEREUS TECHNOLOGIES INC

TABLE 193 AEREUS TECHNOLOGIES INC: COMPANY OVERVIEW

10.2.15 MEDIVATORS INC.

TABLE 194 MEDIVATORS INC.: COMPANY OVERVIEW

Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats) might not be captured in case of unlisted companies.

11 APPENDIX

11.1 DISCUSSION GUIDE

11.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

11.3 CUSTOMIZATION OPTIONS

11.4 RELATED REPORTS

11.5 AUTHOR DETAILS

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