

Waterborne Coatings Market by Resin Type (Acrylic, Polyester, Alkyd, Epoxy, Polyurethane, PTFE, PVDF, PVDC), Application (Architectural and Industrial), and Region (Asia Pacific, North America, Europe, ME&A, South America) - Global Forecast to 2030

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Abstracts

The global waterborne coatings market size was USD 99.2 billion in 2021 and is projected to grow at a CAGR of 3.8% during 2022-2027 and 4.2% during 2028-2030 to reach USD 124.3 billion by 2027 and USD 140.7 billion by 2030. waterborne coatings have low VOC content, a longer pot life, and faster curing ability.

“The epoxy type resin is expected to register the highest CAGR of the overall waterborne coatings market during the forecast period, in terms of volume.”

Epoxy resins are used in protective and floor coatings due to their favorable mechanical properties, corrosion protection, and chemical resistance. Over the past few years, waterborne epoxy coatings have been developed to be environment-friendly with the use of waterborne technology during the manufacturing process, similar to the production of high-solid coatings, solvent-free coatings, and powder coatings. There has been an increase in the demand for epoxy resins from the coatings industry. This growth can be attributed to the increasing demand from dairies, pharmaceuticals, food processing units, electronics, aircraft hangars, and automobile workshops. This scenario is expected to continue during the forecast period.

“The architectural segment of application is projected to register the highest CAGR during the forecast period.”

Market drivers in this segment are infrastructural growth in various countries, and

growth in applications, including residential, and non-residential industry. There is strong demand for these applications from the Asia Pacific region, especially from developing countries such as China, India, Thailand, Indonesia, and Malaysia. Global waterborne coating manufacturers are establishing their manufacturing facilities or sales offices in these emerging regions to cater to the increasing demand.

Asia - Pacific waterborne coatings market is projected to register the highest CAGR during the forecast period.

Asia Pacific is an emerging economy with many rapidly developing countries. Various industry players are willing to invest in this region. Most of the leading players in North America and Europe are planning to shift their manufacturing base to Asia Pacific as it offers inexpensive raw materials, low cost of production, and the ability to serve the local emerging market in a better way. The Asia Pacific region is experiencing increased demand for premium and high-quality products due to the increasing disposable income of the middle-class population. This has led to an increased demand for waterborne coatings in the Asia Pacific market.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the waterborne coatings market, and information was gathered from secondary research to determine and verify the market size of several segments and subsegments.

By Company Type: Tier 1 – 60%, Tier 2 – 30%, and Tier 3 – 10%

By Designation: C Level – 30%, D Level – 60%, and Others – 10%

By Region: Europe – 20%, North America – 35%, APAC – 30%, South America- 5%, and the Middle East & Africa – 10%

The key companies profiled in this report are PPG Industries Inc. (US), and Sherwin-Williams Company (US).

Research Coverage:

This report provides detailed segmentation of the waterborne coatings market based on resin type, application, and region. Based on resin type, waterborne coatings industry

has been segmented into Acrylic

Polyester, Alkyd, Epoxy, Polyurethane, PTFE, PVDF, PVDC, and Others. Based on application, the market has been segmented into architectural and industrial. Based on region, the market has been segmented into Asia Pacific, Europe, North America, South America, and the Middle East & Africa.

Key Benefits of Buying the Report

From an insights perspective, this research report focuses on various levels of analyses — industry analysis (industry trends), market share analysis of top players, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKET COVERED
- FIGURE 1 MARKET SEGMENTATION
- 1.3.2 GEOGRAPHIC SCOPE
- FIGURE 2 GEOGRAPHIC SCOPE
- 1.4 MARKET INCLUSIONS AND EXCLUSIONS
 - 1.4.1 INCLUSIONS
 - 1.4.2 EXCLUSIONS
- 1.5 YEARS CONSIDERED
- 1.6 UNITS CONSIDERED
 - 1.6.1 CURRENCY (VALUE UNIT)
 - 1.6.2 VOLUME UNIT
- 1.7 LIMITATIONS
- 1.8 STAKEHOLDERS
- 1.9 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
- FIGURE 3 WATERBORNE COATINGS MARKET: RESEARCH DESIGN
- 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
- 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key primary data sources
 - 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 MARKET SIZE ESTIMATION
- 2.2.1 TOP-DOWN APPROACH
- FIGURE 4 TOP-DOWN APPROACH
- FIGURE 5 MARKET SIZE ESTIMATION
- FIGURE 6 WATERBORNE COATINGS MARKET, BY REGION
- FIGURE 7 WATERBORNE COATINGS MARKET, BY APPLICATION

2.2.2 BOTTOM-UP APPROACH

FIGURE 8 BOTTOM-UP APPROACH, BY APPLICATION

2.3 MARKET FORECAST APPROACH

2.3.1 DEMAND-SIDE FORECAST PROJECTION

2.4 FACTOR ANALYSIS

FIGURE 9 MAJOR FACTORS RESPONSIBLE FOR GLOBAL RECESSION

2.5 DATA TRIANGULATION

FIGURE 10 DATA TRIANGULATION

2.6 ASSUMPTIONS

2.7 LIMITATIONS

2.8 RISK ANALYSIS

2.9 GROWTH RATE ASSUMPTIONS/GROWTH FORECAST

3 EXECUTIVE SUMMARY

TABLE 1 WATERBORNE COATINGS MARKET, 2021 VS. 2027 VS. 2030

FIGURE 11 ACRYLIC RESIN TO BE LARGEST TYPE IN WATERBORNE COATINGS MARKET

FIGURE 12 RESIDENTIAL AND PROTECTIVE APPLICATIONS TO GROW AT HIGHEST CAGRS

FIGURE 13 ASIA PACIFIC TO BE FASTEST-GROWING WATERBORNE COATINGS MARKET

TABLE 2 WATERBORNE COATINGS MARKET: KEY PLAYERS

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR KEY PLAYERS IN WATERBORNE COATINGS MARKET

FIGURE 14 WATERBORNE COATINGS MARKET TO REGISTER ROBUST GROWTH BETWEEN 2022 AND 2027

4.2 WATERBORNE COATINGS MARKET, BY RESIN TYPE

FIGURE 15 ACRYLIC SEGMENT TO LEAD MARKET GROWTH FROM 2028 TO 2030

4.3 WATERBORNE COATINGS MARKET: DEVELOPED VS. EMERGING COUNTRIES

FIGURE 16 MARKET IN EMERGING COUNTRIES TO GROW FASTER THAN THAT IN DEVELOPED COUNTRIES

4.4 ASIA PACIFIC WATERBORNE COATINGS MARKET, BY TYPE & COUNTRY

FIGURE 17 ACRYLIC WATERBORNE COATINGS AND CHINA ACCOUNTED FOR LARGEST SHARES IN 2021

4.5 WATERBORNE COATINGS MARKET, BY COUNTRY

FIGURE 18 MARKET IN INDIA TO GROW AT HIGHEST CAGR FROM 2028 TO 2030

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 VALUE CHAIN ANALYSIS

FIGURE 19 WATERBORNE COATINGS MARKET: VALUE CHAIN ANALYSIS

TABLE 3 WATERBORNE COATINGS MARKET: SUPPLY CHAIN ANALYSIS

5.3 MARKET DYNAMICS

FIGURE 20 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN WATERBORNE COATINGS MARKET

5.3.1 DRIVERS

5.3.1.1 Environmental regulations to boost demand for VOC-free coatings

5.3.1.2 Development of new technologies to enhance performance of coatings

5.3.1.3 Increasing demand from construction industry

5.3.2 RESTRAINTS

5.3.2.1 Requirement of higher drying time for waterborne coatings

5.3.2.2 Expensive waterborne coatings to limit market expansion

5.3.3 OPPORTUNITIES

5.3.3.1 High growth potential in emerging economies

5.3.4 CHALLENGES

5.3.4.1 Stringent regulatory policies

5.4 PORTER'S FIVE FORCES ANALYSIS

TABLE 4 WATERBORNE COATINGS MARKET: PORTER'S FIVE FORCES ANALYSIS

FIGURE 21 PORTER'S FIVE FORCES ANALYSIS: WATERBORNE COATINGS MARKET

5.4.1 THREAT OF NEW ENTRANTS

5.4.2 THREAT OF SUBSTITUTES

5.4.3 BARGAINING POWER OF BUYERS

5.4.4 BARGAINING POWER OF SUPPLIERS

5.4.5 INTENSITY OF COMPETITIVE RIVALRY

5.5 KEY STAKEHOLDERS & BUYING CRITERIA

5.5.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 22 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS

TABLE 5 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP INDUSTRIES (%)

5.5.2 BUYING CRITERIA

FIGURE 23 KEY BUYING CRITERIA FOR WATERBORNE COATINGS

TABLE 6 KEY BUYING CRITERIA FOR CORROSION PROTECTION COATINGS

5.6 MACROECONOMIC INDICATOR ANALYSIS

5.6.1 INTRODUCTION

5.6.2 GDP TRENDS AND FORECASTS

TABLE 7 TREND AND FORECAST OF GDP, PERCENTAGE CHANGE, 2018–2027

5.6.3 TRENDS AND FORECASTS FOR GLOBAL CONSTRUCTION INDUSTRY

FIGURE 24 GLOBAL SPENDING IN CONSTRUCTION INDUSTRY, 2018–2035

5.6.4 TRENDS AND FORECASTS FOR GLOBAL AUTOMOTIVE INDUSTRY

TABLE 8 TRENDS AND FORECASTS OF GLOBAL AUTOMOTIVE INDUSTRY,
PERCENTAGE CHANGE

5.6.5 GROWTH TRENDS IN AEROSPACE INDUSTRY

TABLE 9 GROWTH INDICATORS OF AEROSPACE INDUSTRY, 2019–2040

FIGURE 25 WORLD AIRCRAFT FLEET PRODUCTION FORECAST, 2019–2040

TABLE 10 NUMBER OF REQUIRED AIRCRAFT, BY REGION

TABLE 11 NUMBER OF REQUIRED FREIGHT AIRCRAFT

TABLE 12 INDICATORS ENCOURAGING AEROSPACE INDUSTRY

5.7 TECHNOLOGY ANALYSIS

5.8 CASE STUDY ANALYSIS

5.9 AVERAGE PRICING ANALYSIS

FIGURE 26 AVERAGE PRICE OF WATERBORNE COATINGS, BY REGION

FIGURE 27 AVERAGE SELLING PRICE, BY RESIN TYPE

FIGURE 28 AVERAGE SELLING PRICE, BY APPLICATION

FIGURE 29 AVERAGE SELLING PRICE, BY ARCHITECTURAL APPLICATION

FIGURE 30 AVERAGE SELLING PRICE, BY INDUSTRIAL APPLICATION

FIGURE 31 AVERAGE SELLING PRICE OF KEY PLAYERS FOR TOP THREE
INDUSTRIES

5.10 TRADE DATA STATISTICS

TABLE 13 COUNTRY-WISE EXPORT DATA FOR PAINTS AND VARNISHES BASED
ON SYNTHETIC OR CHEMICALLY MODIFIED POLYMERS DISPERSED AND
DISSOLVED IN AQUEOUS MEDIUM, 2021

TABLE 14 COUNTRY-WISE EXPORT DATA FOR PAINTS AND VARNISHES BASED
ON SYNTHETIC OR CHEMICALLY MODIFIED POLYMERS DISPERSED AND
DISSOLVED IN NON-AQUEOUS MEDIUM, 2021

TABLE 15 COUNTRY-WISE IMPORT DATA FOR PAINTS AND VARNISHES BASED
ON SYNTHETIC OR CHEMICALLY MODIFIED POLYMERS DISPERSED AND
DISSOLVED IN AQUEOUS MEDIUM, 2021

TABLE 16 COUNTRY-WISE IMPORT DATA FOR PAINTS AND VARNISHES BASED
ON SYNTHETIC OR CHEMICALLY MODIFIED POLYMERS DISPERSED AND

DISSOLVED IN NON-AQUEOUS MEDIUM, 2021

5.11 GLOBAL IMPACT OF SLOWDOWN/RECESSION

5.11.1 CHINA

5.11.1.1 China's debt problem

5.11.1.2 Australia-China trade war

5.11.1.3 Environmental commitments

5.11.2 EUROPE

5.11.2.1 Political instability in Germany

5.11.2.2 Energy crisis in Europe

5.12 PAINTS & COATINGS ECOSYSTEM AND INTERCONNECTED MARKETS

FIGURE 32 PAINTS & COATINGS MARKET: ECOSYSTEM

5.12.1 TRENDS/DISRUPTIONS IMPACTING BUYERS/CUSTOMERS

FIGURE 33 TRENDS IN END-USE INDUSTRIES IMPACTING STRATEGIES OF COATINGS MANUFACTURERS

5.13 TARIFFS & REGULATIONS

5.13.1 COATING STANDARDS

5.13.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 17 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 18 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 19 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.14 PATENT ANALYSIS

5.14.1 METHODOLOGY

5.14.2 PUBLICATION TRENDS

FIGURE 34 NUMBER OF PATENTS PUBLISHED, 2018–2022

5.14.3 TOP JURISDICTION

FIGURE 35 PATENTS PUBLISHED BY JURISDICTIONS, 2018–2022

5.14.4 TOP APPLICANTS

FIGURE 36 PATENTS PUBLISHED BY MAJOR APPLICANTS, 2018–2022

TABLE 20 PATENT PUBLISHED BY MAJOR APPLICANTS

5.15 KEY CONFERENCES & EVENTS IN 2023–2024

TABLE 21 WATERBORNE COATINGS MARKET: DETAILED LIST OF CONFERENCES & EVENTS

6 WATERBORNE COATINGS MARKET, BY RESIN TYPE

6.1 INTRODUCTION

FIGURE 37 ACRYLIC SEGMENT TO BE LARGEST RESIN TYPE IN WATERBORNE COATINGS MARKET BETWEEN 2021 AND 2030

TABLE 22 WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (USD MILLION)

TABLE 23 WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (USD MILLION)

TABLE 24 WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2028–2030 (USD MILLION)

TABLE 25 WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (KILOTON)

TABLE 26 WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (KILOTON)

TABLE 27 WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2028–2030 (KILOTON)

6.2 ACRYLIC

6.2.1 EXCEPTIONAL PHYSICAL PROPERTIES TO DRIVE DEMAND FOR ACRYLIC RESINS

TABLE 28 PROPERTIES AND APPLICATIONS OF ACRYLIC RESINS

TABLE 29 ACRYLIC: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 30 ACRYLIC: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 31 ACRYLIC: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 32 ACRYLIC: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 33 ACRYLIC: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 34 ACRYLIC: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

6.3 POLYESTER

6.3.1 EFFECTIVENESS OF POLYESTERS IN LOW-VOC WATERBORNE FORMULATIONS TO DRIVE DEMAND

TABLE 35 POLYESTER: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 36 POLYESTER: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 37 POLYESTER: WATERBORNE COATINGS MARKET, BY REGION,

2028–2030 (USD MILLION)

TABLE 38 POLYESTER: WATERBORNE COATINGS MARKET, BY REGION,
2018–2021 (KILOTON)

TABLE 39 POLYESTER: WATERBORNE COATINGS MARKET, BY REGION,
2022–2027 (KILOTON)

TABLE 40 POLYESTER: WATERBORNE COATINGS MARKET, BY REGION,
2028–2030 (KILOTON)

6.4 ALKYD

6.4.1 HIGH DURABILITY AND GOOD DRYING CHARACTERISTICS TO BE
FACTORS DRIVING DEMAND

TABLE 41 PROPERTIES AND APPLICATIONS OF ALKYD RESINS

TABLE 42 ALKYD: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(USD MILLION)

TABLE 43 ALKYD: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(USD MILLION)

TABLE 44 ALKYD: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(USD MILLION)

TABLE 45 ALKYD: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(KILOTON)

TABLE 46 ALKYD: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(KILOTON)

TABLE 47 ALKYD: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(KILOTON)

6.5 EPOXY

6.5.1 EPOXY, HIGHLY VERSATILE RESIN, TO FIND APPLICATIONS IN SEVERAL
INDUSTRIES

TABLE 48 EPOXY: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(USD MILLION)

TABLE 49 EPOXY: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(USD MILLION)

TABLE 50 EPOXY: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(USD MILLION)

TABLE 51 EPOXY: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(KILOTON)

TABLE 52 EPOXY: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(KILOTON)

TABLE 53 EPOXY: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(KILOTON)

6.6 POLYURETHANE

6.6.1 EXCELLENT COMBINATION OF PROPERTIES LEADS TO DEMAND FOR POLYURETHANE COATINGS

TABLE 54 PROPERTIES AND APPLICATIONS OF POLYURETHANE RESINS

TABLE 55 POLYURETHANE: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 56 POLYURETHANE: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 57 POLYURETHANE: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 58 POLYURETHANE: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 59 POLYURETHANE: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 60 POLYURETHANE: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

6.7 POLYTETRAFLUOROETHYLENE

6.7.1 GENERAL INDUSTRIAL APPLICATIONS DEMAND PTFE COATINGS

TABLE 61 PTFE: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 62 PTFE: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 63 PTFE: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 64 PTFE: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 65 PTFE: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 66 PTFE: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

6.8 POLYVINYLIDENE FLUORIDE

6.8.1 EMERGING PVDF COATING TECHNOLOGY TO GROW AT HIGH RATE

TABLE 67 WATERBORNE PVDF COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 68 WATERBORNE PVDF COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 69 WATERBORNE PVDF COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 70 WATERBORNE PVDF COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 71 WATERBORNE PVDF COATINGS MARKET, BY REGION, 2022–2027
(KILOTON)

TABLE 72 WATERBORNE PVDF COATINGS MARKET, BY REGION, 2028–2030
(KILOTON)

6.9 POLYVINYLIDENE CHLORIDE

6.9.1 PVDC IMPARTS HIGH GLOSS FINISH ON COATED PRODUCTS

TABLE 73 PVDC: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(USD MILLION)

TABLE 74 PVDC: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(USD MILLION)

TABLE 75 PVDC: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(USD MILLION)

TABLE 76 PVDC: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(KILOTON)

TABLE 77 PVDC: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(KILOTON)

TABLE 78 PVDC: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(KILOTON)

6.10 OTHER RESIN TYPES

TABLE 79 OTHER RESIN TYPES: WATERBORNE COATINGS MARKET, BY
REGION, 2018–2021 (USD MILLION)

TABLE 80 OTHER RESIN TYPES: WATERBORNE COATINGS MARKET, BY
REGION, 2022–2027 (USD MILLION)

TABLE 81 OTHER RESIN TYPES: WATERBORNE COATINGS MARKET, BY
REGION, 2028–2030 (USD MILLION)

TABLE 82 OTHER RESIN TYPES: WATERBORNE COATINGS MARKET, BY
REGION, 2018–2021 (KILOTON)

TABLE 83 OTHER RESIN TYPES: WATERBORNE COATINGS MARKET, BY
REGION, 2022–2027 (KILOTON)

TABLE 84 OTHER RESIN TYPES: WATERBORNE COATINGS MARKET, BY
REGION, 2028–2030 (KILOTON)

7 WATERBORNE COATINGS MARKET, BY APPLICATION

7.1 INTRODUCTION

FIGURE 38 ARCHITECTURAL APPLICATION TO DOMINATE WATERBORNE
COATINGS MARKET, 2021 VS. 2030 (USD MILLION)

TABLE 85 WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (USD
MILLION)

TABLE 86 WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 87 WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (USD MILLION)

TABLE 88 WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (KILOTON)

TABLE 89 WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (KILOTON)

TABLE 90 WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (KILOTON)

FIGURE 39 RESIDENTIAL APPLICATION TO DOMINATE DURING FORECAST PERIOD

7.2 ARCHITECTURAL

TABLE 91 ARCHITECTURAL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 92 ARCHITECTURAL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 93 ARCHITECTURAL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 94 ARCHITECTURAL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 95 ARCHITECTURAL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 96 ARCHITECTURAL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

TABLE 97 WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 98 WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 99 WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 100 WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (KILOTON)

TABLE 101 WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (KILOTON)

TABLE 102 WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (KILOTON)

TABLE 103 WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 104 WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 105 WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 106 WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 107 WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 108 WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (KILOTON)

7.2.1 RESIDENTIAL

TABLE 109 RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 110 RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 111 RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 112 RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 113 RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 114 RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

7.2.1.1 New construction

7.2.1.1.1 Rising homeownership leads to high growth of construction industry in Asia Pacific and Middle East & Africa

TABLE 115 NEW CONSTRUCTION: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 116 NEW CONSTRUCTION: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 117 NEW CONSTRUCTION: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 118 NEW CONSTRUCTION: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 119 NEW CONSTRUCTION: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 120 NEW CONSTRUCTION: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

7.2.1.2 Remodel & repaint

7.2.1.2.1 Harsh weather conditions increase need for renovation and repair of construction

TABLE 121 REMODEL & REPAINT: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 122 REMODEL & REPAINT: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 123 REMODEL & REPAINT: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 124 REMODEL & REPAINT: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 125 REMODEL & REPAINT: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 126 REMODEL & REPAINT: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

7.2.2 NON-RESIDENTIAL

7.2.2.1 Increased commercial and industrial developments

TABLE 127 NON-RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 128 NON-RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 129 NON-RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 130 NON-RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 131 NON-RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 132 NON-RESIDENTIAL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

7.3 INDUSTRIAL

TABLE 133 INDUSTRIAL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 134 INDUSTRIAL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 135 INDUSTRIAL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 136 INDUSTRIAL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 137 INDUSTRIAL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 138 INDUSTRIAL: WATERBORNE COATINGS MARKET, BY REGION,
2028–2030 (KILOTON)

TABLE 139 WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION,
2018–2021 (USD MILLION)

TABLE 140 WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION,
2022–2027 (USD MILLION)

TABLE 141 WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION,
2028–2030 (USD MILLION)

TABLE 142 WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION,
2018–2021 (KILOTON)

TABLE 143 WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION,
2022–2027 (KILOTON)

TABLE 144 WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION,
2028–2030 (KILOTON)

7.3.1 AUTOMOTIVE

7.3.1.1 Rising demand for electric vehicles

TABLE 145 AUTOMOTIVE: WATERBORNE COATINGS MARKET, BY REGION,
2018–2021 (USD MILLION)

TABLE 146 AUTOMOTIVE: WATERBORNE COATINGS MARKET, BY REGION,
2022–2027 (USD MILLION)

TABLE 147 AUTOMOTIVE: WATERBORNE COATINGS MARKET, BY REGION,
2028–2030 (USD MILLION)

TABLE 148 AUTOMOTIVE: WATERBORNE COATINGS MARKET, BY REGION,
2018–2021 (KILOTON)

TABLE 149 AUTOMOTIVE: WATERBORNE COATINGS MARKET, BY REGION,
2022–2027 (KILOTON)

TABLE 150 AUTOMOTIVE: WATERBORNE COATINGS MARKET, BY REGION,
2028–2030 (KILOTON)

7.3.2 GENERAL INDUSTRIAL

7.3.2.1 Need for efficient process and durable coatings with better esthetics

TABLE 151 GENERAL INDUSTRIAL: WATERBORNE COATINGS MARKET, BY
REGION, 2018–2021 (USD MILLION)

TABLE 152 GENERAL INDUSTRIAL: WATERBORNE COATINGS MARKET, BY
REGION, 2022–2027 (USD MILLION)

TABLE 153 GENERAL INDUSTRIAL: WATERBORNE COATINGS MARKET, BY
REGION, 2028–2030 (USD MILLION)

TABLE 154 GENERAL INDUSTRIAL: WATERBORNE COATINGS MARKET, BY
REGION, 2018–2021 (KILOTON)

TABLE 155 GENERAL INDUSTRIAL: WATERBORNE COATINGS MARKET, BY

REGION, 2022–2027 (KILOTON)

TABLE 156 GENERAL INDUSTRIAL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

7.3.3 PROTECTIVE

7.3.3.1 Asia Pacific emerges as strategic location for coating manufacturers in protective application

TABLE 157 PROTECTIVE: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 158 PROTECTIVE: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 159 PROTECTIVE: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 160 PROTECTIVE: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 161 PROTECTIVE: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 162 PROTECTIVE: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

7.3.4 WOOD

7.3.4.1 Rising construction and infrastructure activities to increase demand for waterborne coatings

TABLE 163 WOOD: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 164 WOOD: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 165 WOOD: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 166 WOOD: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 167 WOOD: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 168 WOOD: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (KILOTON)

7.3.5 MARINE

7.3.5.1 Slow growth of shipbuilding sector hampering demand for waterborne coatings in marine industry

TABLE 169 MARINE: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 170 MARINE: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027

(USD MILLION)

TABLE 171 MARINE: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030

(USD MILLION)

TABLE 172 MARINE: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021

(KILOTON)

TABLE 173 MARINE: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027

(KILOTON)

TABLE 174 MARINE: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030

(KILOTON)

7.3.6 PACKAGING

7.3.6.1 Improved lifestyles and changing food habits lead to high market growth

TABLE 175 PACKAGING: WATERBORNE COATINGS MARKET, BY REGION,
2018–2021 (USD MILLION)

TABLE 176 PACKAGING: WATERBORNE COATINGS MARKET, BY REGION,
2022–2027 (USD MILLION)

TABLE 177 PACKAGING: WATERBORNE COATINGS MARKET, BY REGION,
2028–2030 (USD MILLION)

TABLE 178 PACKAGING: WATERBORNE COATINGS MARKET, BY REGION,
2018–2021 (KILOTON)

TABLE 179 PACKAGING: WATERBORNE COATINGS MARKET, BY REGION,
2022–2027 (KILOTON)

TABLE 180 PACKAGING: WATERBORNE COATINGS MARKET, BY REGION,
2028–2030 (KILOTON)

7.3.7 COIL

7.3.7.1 Waterborne coatings offer durability and cost-benefit properties to coils

TABLE 181 COIL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(USD MILLION)

TABLE 182 COIL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(USD MILLION)

TABLE 183 COIL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(USD MILLION)

TABLE 184 COIL: WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(KILOTON)

TABLE 185 COIL: WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(KILOTON)

TABLE 186 COIL: WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(KILOTON)

7.3.8 OTHER INDUSTRIAL APPLICATIONS

TABLE 187 OTHER INDUSTRIAL APPLICATIONS: WATERBORNE COATINGS

MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 188 OTHER INDUSTRIAL APPLICATIONS: WATERBORNE COATINGS

MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 189 OTHER INDUSTRIAL APPLICATIONS: WATERBORNE COATINGS

MARKET, BY REGION, 2028–2030 (USD MILLION)

TABLE 190 OTHER INDUSTRIAL APPLICATIONS: WATERBORNE COATINGS

MARKET, BY REGION, 2018–2021 (KILOTON)

TABLE 191 OTHER INDUSTRIAL APPLICATIONS: WATERBORNE COATINGS

MARKET, BY REGION, 2022–2027 (KILOTON)

TABLE 192 OTHER INDUSTRIAL APPLICATIONS: WATERBORNE COATINGS

MARKET, BY REGION, 2028–2030 (KILOTON)

8 WATERBORNE COATINGS MARKET, BY REGION

8.1 INTRODUCTION

8.1.1 GLOBAL RECESSION OVERVIEW

FIGURE 40 ASIA PACIFIC TO BE FASTEST GROWING MARKET DURING
FORECAST PERIOD

TABLE 193 WATERBORNE COATINGS MARKET, BY REGION, 2018–2021 (USD
MILLION)

TABLE 194 WATERBORNE COATINGS MARKET, BY REGION, 2022–2027 (USD
MILLION)

TABLE 195 WATERBORNE COATINGS MARKET, BY REGION, 2028–2030 (USD
MILLION)

TABLE 196 WATERBORNE COATINGS MARKET, BY REGION, 2018–2021
(KILOTON)

TABLE 197 WATERBORNE COATINGS MARKET, BY REGION, 2022–2027
(KILOTON)

TABLE 198 WATERBORNE COATINGS MARKET, BY REGION, 2028–2030
(KILOTON)

8.2 ASIA PACIFIC

8.2.1 IMPACT OF RECESSION IN ASIA PACIFIC

FIGURE 41 ASIA PACIFIC: WATERBORNE COATINGS MARKET SNAPSHOT

TABLE 199 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIN TYPE,
2018–2021 (USD MILLION)

TABLE 200 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIN TYPE,
2022–2027 (USD MILLION)

TABLE 201 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIN TYPE,
2028–2030 (USD MILLION)

TABLE 202 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (KILOTON)

TABLE 203 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (KILOTON)

TABLE 204 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2028–2030 (KILOTON)

TABLE 205 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 206 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 207 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (USD MILLION)

TABLE 208 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (KILOTON)

TABLE 209 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (KILOTON)

TABLE 210 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (KILOTON)

TABLE 211 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 212 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 213 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 214 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (KILOTON)

TABLE 215 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (KILOTON)

TABLE 216 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (KILOTON)

TABLE 217 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 218 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 219 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 220 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 221 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIDENTIAL

APPLICATION, 2022–2027 (KILOTON)

TABLE 222 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 223 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 224 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 225 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 226 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 227 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 228 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 229 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 230 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 231 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY COUNTRY, 2028–2030 (USD MILLION)

TABLE 232 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY COUNTRY, 2018–2021 (KILOTON)

TABLE 233 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY COUNTRY, 2022–2027 (KILOTON)

TABLE 234 ASIA PACIFIC: WATERBORNE COATINGS MARKET, BY COUNTRY, 2028–2030 (KILOTON)

8.2.2 CHINA

8.2.2.1 Significant government investments in infrastructure development to drive construction industry growth

TABLE 235 CHINA'S TOP INFRASTRUCTURE PROJECTS

8.2.3 INDIA

8.2.3.1 Boom in real estate industry to drive market

TABLE 236 UPCOMING INFRASTRUCTURE PROJECTS IN INDIA

8.2.4 JAPAN

8.2.4.1 Investments in infrastructural markets by public and private sectors to boost demand

TABLE 237 MEGA INFRASTRUCTURE PROJECTS IN JAPAN

8.2.5 INDONESIA

8.2.5.1 Increasing penetration of Japanese car manufacturers to drive market growth

8.2.6 THAILAND

8.2.6.1 Automotive industry to contribute significantly to market growth

8.2.7 REST OF ASIA PACIFIC

8.3 EUROPE

8.3.1 IMPACT OF RECESSION ON EUROPE

FIGURE 42 EUROPE: WATERBORNE COATINGS MARKET SNAPSHOT

TABLE 238 MAJOR INFRASTRUCTURE PROJECTS IN EUROPE

TABLE 239 EUROPE: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (USD MILLION)

TABLE 240 EUROPE: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (USD MILLION)

TABLE 241 EUROPE: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2028–2030 (USD MILLION)

TABLE 242 EUROPE: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (KILOTON)

TABLE 243 EUROPE: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (KILOTON)

TABLE 244 EUROPE: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2028–2030 (KILOTON)

TABLE 245 EUROPE: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 246 EUROPE: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 247 EUROPE: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (USD MILLION)

TABLE 248 EUROPE: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (KILOTON)

TABLE 249 EUROPE: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (KILOTON)

TABLE 250 EUROPE: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (KILOTON)

TABLE 251 EUROPE: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 252 EUROPE: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 253 EUROPE: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 254 EUROPE: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL

APPLICATION, 2018–2021 (KILOTON)

TABLE 255 EUROPE: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (KILOTON)

TABLE 256 EUROPE: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (KILOTON)

TABLE 257 EUROPE: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 258 EUROPE: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 259 EUROPE: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 260 EUROPE: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 261 EUROPE: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 262 EUROPE: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 263 EUROPE: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 264 EUROPE: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 265 EUROPE: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 266 EUROPE: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 267 EUROPE: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 268 EUROPE: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 269 EUROPE: WATERBORNE COATINGS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 270 EUROPE: WATERBORNE COATINGS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 271 EUROPE: WATERBORNE COATINGS MARKET, BY COUNTRY, 2028–2030 (USD MILLION)

TABLE 272 EUROPE: WATERBORNE COATINGS MARKET, BY COUNTRY, 2018–2021 (KILOTON)

TABLE 273 EUROPE: WATERBORNE COATINGS MARKET, BY COUNTRY, 2022–2027 (KILOTON)

TABLE 274 EUROPE: WATERBORNE COATINGS MARKET, BY COUNTRY, 2028–2030 (KILOTON)

8.3.2 GERMANY

8.3.2.1 Favorable economic environment and rising demand for new homes to drive growth

8.3.3 RUSSIA

8.3.3.1 Ukraine crisis and falling oil prices to impact market growth

8.3.4 ITALY

8.3.4.1 New project finance rules and investment policies to boost market growth

8.3.5 TURKEY

8.3.5.1 Rapid urbanization and diversification in consumer goods to impact market positively

8.3.6 FRANCE

8.3.6.1 Reviving economy, coupled with investments in infrastructure, to boost demand

8.3.7 UK

8.3.7.1 Government investments to spur market growth

8.3.8 SPAIN

8.3.8.1 Increase in housing units to boost demand for waterborne coatings

8.3.9 REST OF EUROPE

8.4 NORTH AMERICA

8.4.1 IMPACT OF RECESSION ON NORTH AMERICA

FIGURE 43 NORTH AMERICA: WATERBORNE COATINGS MARKET SNAPSHOT

TABLE 275 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (USD MILLION)

TABLE 276 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (USD MILLION)

TABLE 277 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2028–2030 (USD MILLION)

TABLE 278 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (KILOTON)

TABLE 279 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (KILOTON)

TABLE 280 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2028–2030 (KILOTON)

TABLE 281 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 282 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 283 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (USD MILLION)

TABLE 284 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (KILOTON)

TABLE 285 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (KILOTON)

TABLE 286 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (KILOTON)

TABLE 287 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 288 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 289 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 290 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (KILOTON)

TABLE 291 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (KILOTON)

TABLE 292 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (KILOTON)

TABLE 293 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 294 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 295 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 296 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 297 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 298 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 299 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 300 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 301 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 302 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY

INDUSTRIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 303 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY
INDUSTRIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 304 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY
INDUSTRIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 305 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY,
2018–2021 (USD MILLION)

TABLE 306 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY,
2022–2027 (USD MILLION)

TABLE 307 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY,
2028–2030 (USD MILLION)

TABLE 308 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY,
2018–2021 (KILOTON)

TABLE 309 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY,
2022–2027 (KILOTON)

TABLE 310 NORTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY,
2028–2030 (KILOTON)

TABLE 311 INFRASTRUCTURE PROJECTS IN NORTH AMERICA

8.4.2 US

8.4.2.1 Presence of major manufacturers to fuel market growth

8.4.3 CANADA

8.4.3.1 Rising demand from construction industry to contribute to market growth

8.4.4 MEXICO

8.4.4.1 New construction in residential segment to drive market

8.5 MIDDLE EAST & AFRICA

8.5.1 IMPACT OF RECESSION IN MIDDLE EAST & AFRICA

FIGURE 44 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET
SNAPSHOT

TABLE 312 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY
RESIN TYPE, 2018–2021 (USD MILLION)

TABLE 313 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY
RESIN TYPE, 2022–2027 (USD MILLION)

TABLE 314 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY
RESIN TYPE, 2028–2030 (USD MILLION)

TABLE 315 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY
RESIN TYPE, 2018–2021 (KILOTON)

TABLE 316 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY
RESIN TYPE, 2022–2027 (KILOTON)

TABLE 317 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY

RESIN TYPE, 2028–2030 (KILOTON)

TABLE 318 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 319 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 320 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (USD MILLION)

TABLE 321 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (KILOTON)

TABLE 322 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (KILOTON)

TABLE 323 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (KILOTON)

TABLE 324 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 325 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 326 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 327 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (KILOTON)

TABLE 328 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (KILOTON)

TABLE 329 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (KILOTON)

TABLE 330 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 331 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 332 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 333 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 334 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 335 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 336 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 337 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 338 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 339 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 340 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 341 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 342 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 343 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 344 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2028–2030 (USD MILLION)

TABLE 345 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2018–2021 (KILOTON)

TABLE 346 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2022–2027 (KILOTON)

TABLE 347 MIDDLE EAST & AFRICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2028–2030 (KILOTON)

8.5.2 SAUDI ARABIA

8.5.2.1 Significant government investments in infrastructure development to boost tourism

8.5.3 SOUTH AFRICA

8.5.3.1 Significant demand for architectural coatings in building projects to boost market growth

8.5.4 EGYPT

8.5.4.1 Significant increase in construction activity to drive market

8.5.5 REST OF MIDDLE EAST & AFRICA

8.6 SOUTH AMERICA

8.6.1 IMPACT OF RECESSION ON SOUTH AMERICA

FIGURE 45 SOUTH AMERICA: WATERBORNE COATINGS MARKET SNAPSHOT

TABLE 348 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (USD MILLION)

TABLE 349 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (USD MILLION)

TABLE 350 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN

TYPE, 2028–2030 (USD MILLION)

TABLE 351 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2018–2021 (KILOTON)

TABLE 352 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2022–2027 (KILOTON)

TABLE 353 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIN TYPE, 2028–2030 (KILOTON)

TABLE 354 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 355 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 356 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (USD MILLION)

TABLE 357 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2018–2021 (KILOTON)

TABLE 358 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2022–2027 (KILOTON)

TABLE 359 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY APPLICATION, 2028–2030 (KILOTON)

TABLE 360 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 361 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 362 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 363 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2018–2021 (KILOTON)

TABLE 364 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2022–2027 (KILOTON)

TABLE 365 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY ARCHITECTURAL APPLICATION, 2028–2030 (KILOTON)

TABLE 366 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 367 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 368 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 369 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 370 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 371 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY RESIDENTIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 372 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (USD MILLION)

TABLE 373 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (USD MILLION)

TABLE 374 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (USD MILLION)

TABLE 375 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2018–2021 (KILOTON)

TABLE 376 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2022–2027 (KILOTON)

TABLE 377 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY INDUSTRIAL APPLICATION, 2028–2030 (KILOTON)

TABLE 378 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 379 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 380 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2028–2030 (USD MILLION)

TABLE 381 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2018–2021 (KILOTON)

TABLE 382 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2022–2027 (KILOTON)

TABLE 383 SOUTH AMERICA: WATERBORNE COATINGS MARKET, BY COUNTRY, 2028–2030 (KILOTON)

8.6.2 BRAZIL

8.6.2.1 Investment partnership program to promote private sector participation in infrastructure development

8.6.3 ARGENTINA

8.6.3.1 China-built projects to improve livelihood and create employment opportunities

8.6.4 REST OF SOUTH AMERICA

9 COMPETITIVE LANDSCAPE

9.1 OVERVIEW

Waterborne Coatings Market by Resin Type (Acrylic, Polyester, Alkyd, Epoxy, Polyurethane, PTFE, PVDF, PVDC), A...

TABLE 384 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN
WATERBORNE COATINGS MARKET (2017–2021)

9.2 COMPANY EVALUATION QUADRANT MATRIX FOR KEY PLAYERS, 2021

9.2.1 STARS

9.2.2 EMERGING LEADERS

9.2.3 PERVASIVE PLAYERS

9.2.4 PARTICIPANTS

FIGURE 46 WATERBORNE COATINGS MARKET: COMPETITIVE LEADERSHIP
MAPPING, 2021

9.3 STRENGTH OF PRODUCT PORTFOLIO

FIGURE 47 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN
WATERBORNE COATINGS MARKET

9.4 MARKET EVALUATION QUADRANT FOR STARTUPS/SMES, 2021

9.4.1 PROGRESSIVE COMPANIES

9.4.2 STARTING BLOCKS

9.4.3 RESPONSIVE COMPANIES

9.4.4 DYNAMIC COMPANIES

FIGURE 48 WATERBORNE COATINGS MARKET: EMERGING COMPANIES
COMPETITIVE LEADERSHIP MAPPING, 2020

9.5 MARKET SHARE ANALYSIS

FIGURE 49 MARKET SHARE ANALYSIS, 2021

TABLE 385 WATERBORNE COATINGS MARKET SHARE, BY INTENSITY OF
COMPETITIVE RIVALRY, 2021

9.6 RANKING OF KEY PLAYERS

FIGURE 50 RANKING OF KEY PLAYERS

9.7 COMPANY REVENUE ANALYSIS FOR KEY PLAYERS, 2017–2021

FIGURE 51 COMPANY REVENUE ANALYSIS FOR KEY COMPANIES, 2017–2021

9.8 COMPETITIVE BENCHMARKING

TABLE 386 WATERBORNE COATINGS MARKET: DETAILED LIST OF KEY
STARTUPS/SMES

TABLE 387 WATERBORNE COATINGS MARKET: COMPETITIVE BENCHMARKING
OF KEY PLAYERS (STARTUPS/SMES)

TABLE 388 WATERBORNE COATINGS MARKET: DETAILED LIST OF KEY
PLAYERS

9.9 COMPETITIVE SCENARIO

9.9.1 MARKET EVALUATION FRAMEWORK

TABLE 389 STRATEGIC DEVELOPMENTS, BY COMPANY

TABLE 390 STRATEGIES ADOPTED BY PLAYERS, 2017–2022

TABLE 391 STRATEGIES ADOPTED BY KEY COMPANIES, 2017–2022

9.9.2 MARKET EVALUATION MATRIX

TABLE 392 OVERALL FOOTPRINT OF COMPANIES

TABLE 393 INDUSTRY FOOTPRINT OF COMPANIES

TABLE 394 REGIONAL FOOTPRINT OF COMPANIES

9.9.3 COMPETITIVE SCENARIOS AND TRENDS

TABLE 395 WATERBORNE COATINGS MARKET: PRODUCT LAUNCHES, 2018–2021

TABLE 396 WATERBORNE COATINGS MARKET: DEALS, 2017–2022

TABLE 397 WATERBORNE COATINGS MARKET: OTHERS, 2017–2022

10 COMPANY PROFILES

10.1 KEY PLAYERS

(Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments)*

10.1.1 THE SHERWIN-WILLIAMS COMPANY

TABLE 398 SHERWIN-WILLIAMS COMPANY: COMPANY OVERVIEW

FIGURE 52 THE SHERWIN-WILLIAMS COMPANY: COMPANY SNAPSHOT

TABLE 399 SHERWIN-WILLIAMS COMPANY: PRODUCT LAUNCHES

TABLE 400 SHERWIN-WILLIAMS COMPANY: DEALS

TABLE 401 SHERWIN-WILLIAMS COMPANY: OTHERS

10.1.2 BASF SE

TABLE 402 BASF SE: COMPANY OVERVIEW

FIGURE 53 BASF SE: COMPANY SNAPSHOT

TABLE 403 BASF SE: DEALS

TABLE 404 BASF SE: OTHERS

10.1.3 AKZO NOBEL N.V.

TABLE 405 AKZO NOBEL N.V.: COMPANY OVERVIEW

FIGURE 54 AKZO NOBEL N.V.: COMPANY SNAPSHOT

TABLE 406 AKZO NOBEL N.V.: PRODUCT LAUNCHES

TABLE 407 AKZO NOBEL N.V.: DEALS

TABLE 408 AKZO NOBEL N.V.: OTHERS

10.1.4 PPG INDUSTRIES INC.

TABLE 409 PPG INDUSTRIES INC.: COMPANY OVERVIEW

FIGURE 55 PPG INDUSTRIES, INC.: COMPANY SNAPSHOT

TABLE 410 PPG INDUSTRIES INC.: PRODUCT LAUNCHES

TABLE 411 PPG INDUSTRIES INC.: DEALS

TABLE 412 PPG INDUSTRIES INC.: OTHERS

10.1.5 RPM INTERNATIONAL INC.

TABLE 413 RPM INTERNATIONAL INC.: COMPANY OVERVIEW

FIGURE 56 RPM INTERNATIONAL INC.: COMPANY SNAPSHOT

TABLE 414 RPM INTERNATIONAL: DEALS

TABLE 415 RPM INTERNATIONAL: OTHERS

10.1.6 ASIAN PAINTS LIMITED

TABLE 416 ASIAN PAINTS LIMITED: COMPANY OVERVIEW

FIGURE 57 ASIAN PAINTS LIMITED: COMPANY SNAPSHOT

TABLE 417 ASIAN PAINTS LIMITED: PRODUCT LAUNCHES

TABLE 418 ASIAN PAINTS LIMITED: DEALS

10.1.7 AXALTA COATING SYSTEMS, LTD.

TABLE 419 AXALTA COATING SYSTEMS, LTD.: COMPANY OVERVIEW

FIGURE 58 AXALTA COATING SYSTEMS, LTD.: COMPANY SNAPSHOT

TABLE 420 AXALTA COATING SYSTEMS, LTD.: PRODUCT LAUNCHES

TABLE 421 AXALTA COATING SYSTEMS, LTD.: DEALS

TABLE 422 AXALTA COATING SYSTEMS, LTD.: OTHERS

10.1.8 NIPPON PAINT HOLDINGS CO. LTD.

TABLE 423 NIPPON PAINT HOLDINGS CO., LTD.: COMPANY OVERVIEW

FIGURE 59 NIPPON PAINT HOLDINGS CO.: COMPANY SNAPSHOT

TABLE 424 NIPPON PAINT HOLDINGS CO., LTD.: PRODUCT LAUNCHES

TABLE 425 NIPPON PAINT HOLDINGS CO., LTD.: DEALS

TABLE 426 NIPPON PAINT HOLDINGS CO., LTD.: OTHERS

10.1.9 KANSAI PAINT CO. LTD.

TABLE 427 KANSAI PAINTS CO., LTD.: COMPANY OVERVIEW

FIGURE 60 KANSAI PAINT CO., LTD.: COMPANY SNAPSHOT

TABLE 428 KANSAI PAINTS CO., LTD.: DEALS

10.1.10 JOTUN GROUP

TABLE 429 JOTUN GROUP: COMPANY OVERVIEW

FIGURE 61 JOTUN GROUP: COMPANY SNAPSHOT

TABLE 430 JOTUN A/S: DEALS

TABLE 431 JOTUN A/S: OTHERS

10.2 OTHER KEY COMPANIES

10.2.1 BERGER PAINTS INDIA LTD.

TABLE 432 BERGER PAINTS INDIA LTD.: COMPANY OVERVIEW

10.2.2 TEKNOS GROUP

TABLE 433 TEKNOS GROUP: COMPANY OVERVIEW

10.2.3 MASCO CORPORATION

TABLE 434 MASCO CORPORATION: COMPANY OVERVIEW

10.2.4 HEMPEL A/S

TABLE 435 HEMPEL A/S: COMPANY OVERVIEW**10.2.5 DULUXGROUP LTD.****TABLE 436 DULUXGROUP LTD.: COMPANY OVERVIEW****10.2.6 DIAMOND VOGEL PAINT COMPANY****TABLE 437 DIAMOND VOGEL PAINT COMPANY: COMPANY OVERVIEW****10.2.7 BENJAMIN MOORE & CO.****TABLE 438 BENJAMIN MOORE & CO.: COMPANY OVERVIEW****10.2.8 STAHL HOLDINGS B.V.****TABLE 439 STAHL HOLDINGS B.V.: COMPANY OVERVIEW****10.2.9 CLOVERDALE PAINT INC.****TABLE 440 CLOVERDALE PAINT INC.: COMPANY OVERVIEW****10.2.10 BRILLUX GMBH & CO. KG****TABLE 441 BRILLUX GMBH & CO. KG: COMPANY OVERVIEW****10.2.11 CARPOLY CHEMICAL GROUP CO., LTD.****TABLE 442 CARPOLY CHEMICAL GROUP CO., LTD. COMPANY OVERVIEW****10.2.12 LANCO PAINTS****TABLE 443 LANCO PAINTS: COMPANY OVERVIEW****10.2.13 KCC CORPORATION****TABLE 444 KCC CORPORATION: COMPANY OVERVIEW****10.2.14 NOROO PAINTS & COATINGS CO., LTD.****TABLE 445 NOROO PAINTS & COATINGS CO., LTD.: COMPANY OVERVIEW****10.2.15 FUJIKURA KASEI CO., LTD.****TABLE 446 FUJIKURA KASEI CO., LTD.: COMPANY OVERVIEW**

*Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments might not be captured in case of unlisted companies.

11 ADJACENT/RELATED MARKETS**11.1 INTRODUCTION****11.1.1 LIMITATIONS****11.2 COATING RESINS MARKET****11.2.1 MARKET DEFINITION****11.2.2 MARKET OVERVIEW****11.2.3 COATING RESINS MARKET, BY RESIN TYPE****TABLE 447 COATING RESINS MARKET, BY RESIN TYPE, 2019–2026 (USD MILLION)****TABLE 448 COATING RESINS MARKET, BY RESIN TYPE, 2019–2026 (KT)****11.2.3.1 Acrylic**

11.2.3.2 Alkyd

11.2.3.3 Vinyl

11.2.3.4 Polyurethane

11.2.3.5 Epoxy

11.2.3.6 Unsaturated polyester

11.2.3.7 Saturated polyester

11.2.3.8 Amino

11.2.3.9 Other resins

11.2.4 COATING RESINS MARKET, BY TECHNOLOGY

TABLE 449 COATING RESINS MARKET, BY TECHNOLOGY, 2019–2026 (USD MILLION)

TABLE 450 COATING RESINS MARKET, BY TECHNOLOGY, 2019–2026 (KT)

11.2.4.1 Waterborne coatings

11.2.4.2 Solventborne coatings

11.2.4.3 Powder coatings

11.2.4.4 Other technologies

11.2.4.4.1 High solid coatings

11.2.4.4.2 Radiation curable coatings

11.2.5 COATING RESINS MARKET, BY APPLICATION

TABLE 451 COATING RESINS MARKET, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 452 COATING RESINS MARKET, BY APPLICATION, 2019–2026 (KILOTON)

11.2.5.1 Architectural coatings

11.2.5.2 Marine & protective coatings

11.2.5.3 General industrial coatings

11.2.5.4 Automotive coatings

11.2.5.5 Wood coatings

11.2.5.6 Packaging coatings

11.2.5.7 Coil coatings

11.2.5.8 Other coatings

11.2.5.8.1 Aerospace coatings

11.2.5.8.2 Graphic arts coatings

11.2.6 COATING RESINS MARKET, BY REGION

TABLE 453 COATING RESINS MARKET, BY REGION, 2019–2026 (USD MILLION)

TABLE 454 COATING RESINS MARKET, BY REGION, 2019–2026 (KT)

11.2.6.1 Asia Pacific

11.2.6.2 Europe

11.2.6.3 North America

11.2.6.4 Middle East & Africa

11.2.6.5 South America

12 APPENDIX

12.1 DISCUSSION GUIDE

12.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

12.3 CUSTOMIZATION OPTIONS

12.4 RELATED REPORTS

12.5 AUTHOR DETAILS

About

The global waterborne coatings market size was about XX thousand tons and SXX million, in terms of volume and value, respectively, in 2012.

The Asia-Pacific market was the dominating region for waterborne coatings consumption, both, in terms of volume and value, in 2012, with XX thousand tons and SXX million, respectively.

The global waterborne coatings market is projected to reach about XX thousand tons and SXX million by 2019, at a CAGR of XX% in terms of volume and XX% in terms of value.

The market is largely driven by application especially in architectural coatings applications.

Acrylic is expected to be the fastest growing application with a CAGR of about XX%, in terms of value.

High pricing and raw material price fluctuations were the challenges faced by producers, and waterborne coatings property was a key quality requirement making it a major driver for demand of waterborne coatings in the global market.

China remains the dominating market across the globe, and is projected to grow at a CAGR of about XX% in terms of value for the next five years.

The construction market is expected to show the good growth in the next five years; driven by huge investments in new infrastructure developments, new housing projects, and renovation/repaint of residential and commercial buildings in China, India, and Brazil.

The waterborne coatings industry is moving towards investments as the major waterborne coatings players are focusing to apply a new method for total reduction of VOC and HAP emissions.

Asia-Pacific remains the largest market for waterborne coatings in terms of volume, followed by Western Europe and North America.

Asia-Pacific market continues to be the key growth area due to its consumption, followed by Western

Europe due to its increasing demand for variety of applications of waterborne coatings from different end-user industries.

China is the most attractive country for waterborne coatings for the next five years growing with an estimated XX% CAGR, in terms of volume.

The introduction of waterborne acrylic (latex) technology, the commercial coatings manufacturers found an alternative to traditional solvent borne alkyd chemistries that had been the mainstay of the coatings industry in the past few decades.

The chemistry of Waterborne coatings offers significant advantages to both manufacturers and end users of coatings, including easier clean-up and lower VOC content when compared to solvent borne alkyds, which required significant amounts of organic solvent additives during the manufacturing process.

So the demand for the waterborne alkyd paints is estimated to grow at a CAGR of about XX % by volume from 2014 to 2019 mainly due to their increasing demand in the general finishing, industrial, and domestic applications.

Major companies in this industry are coming up with water-based PVDF coating with lower price tag and VOCs down to XX g/L, compared to approximately XX g/L in current waterborne coatings formulations based on the resins.

The waterborne dispersion coatings are found to be used in projects where air quality is of paramount concern - for exteriors of hospitals or high-rise residential buildings where solvent odors can be conveyed inside by means of ventilation, or in urban areas such as Southern California where tight limits on VOC emissions are in place and are likely to get even tighter.

So, the PVDF coatings segment is driven by coil coatings and also due to its self cleaning property; that is the PVDF coatings contains special pigmentations that help in keeping the roofs and walls dirt free.

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Product name: Waterborne Coatings Market by Resin Type (Acrylic, Polyester, Alkyd, Epoxy, Polyurethane, PTFE, PVDF, PVDC), Application (Architectural and Industrial), and Region (Asia Pacific, North America, Europe, ME&A, South America) - Global Forecast to 2030

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