

Protective Coatings - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

Protective Coatings Market Analysis

The Protective Coatings Market size is estimated at USD 15.85 billion in 2025, and is expected to reach USD 19.31 billion by 2030, at a CAGR of 4.02% during the forecast period (2025-2030). Europe commanded the largest share, sustained by rigorous environmental rules and sizable infrastructure outlays, while Asia-Pacific is projected to record the fastest 5.23% CAGR through 2030. Infrastructure development, the transition toward eco-friendly chemistries, and rising adoption in renewable energy and automotive lightweighting are the most influential growth drivers. Polyurethane products lead resin demand, solvent-borne chemistries still prevail despite VOC pressure, and nanotechnology is opening new horizons for self-healing and smart surfaces. Industry consolidation among top suppliers continues, yet white-space opportunities persist in emerging economies and in advanced solutions for plastic and composite substrates.

Global Protective Coatings Market Trends and Insights

Increasing Investments in Infrastructure Construction

Massive public spending on transport, energy, and civic projects underpins the protective coatings market. The United States Infrastructure Investment and Jobs Act alone is injecting multibillion-dollar capital into bridge and road rehabilitation, boosting demand for long-life anticorrosive systems. Similar programs in China, India, and the European Union converge on durability mandates that favor high-performance formulations. Asset owners increasingly weigh lifecycle economics over upfront cost,

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translating into premium grades with extended maintenance intervals. Polyurethane and zinc-rich epoxy systems are thus gaining specification priority in steel bridges and rebar-exposed concrete. The market benefit is magnified in coastal regions where salt, humidity, and temperature cycling accelerate degradation.

Growing Green Coatings Demand

Regulations capping VOC emissions tighten year by year, especially under California Air Resources Board limits that now set reference benchmarks worldwide. Formulators respond with waterborne, high-solids, and powder chemistries demonstrating parity in corrosion resistance with legacy solvent products. Eco-friendly alternatives also help asset owners meet corporate sustainability pledges. The protective coatings market sees rapid scale-up of bio-based polyurethane dispersions and low-energy-cure powder blends. Technology development focuses on resin modifications that shorten drying time while sustaining gloss and mechanical performance. Competitive differentiation increasingly rests on quantifiable environmental footprints rather than solely on physical properties.

Regulations Related to VOC Emissions

Stricter VOC caps force reformulation, drive raw-material cost inflation, and compel capital upgrades in production plants. Compliance also prolongs qualification cycles with end users but eventually favors suppliers that master water-borne or powder technologies. Early movers capture share as asset owners pivot to greener standards, cushioning revenue loss from solvent-grade phase-outs. Over time, innovation offsets most margin erosion and positions compliant producers as preferred partners.

Other drivers and restraints analyzed in the detailed report include:

Increasing Utilization from the Automotive Industry / Growing Demand from the New Energy Sector / Skilled Labor Shortage in Certain Geographies /

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

In 2024, polyurethane captured 30.34% of revenue, reflecting unparalleled flexibility across infrastructure, automotive, and energy assets. The segment is forecast to expand at a 4.79% CAGR through 2030, the fastest among resins. These advance lifts the polyurethane share of the protective coatings market as asset owners gravitate to systems exhibiting high abrasion resistance and long exterior durability. Advancements in bio-based polyols and moisture-cure variants further improve environmental profiles without sacrificing performance. Demand also benefits from rapid uptake in blade leading-edge protection for offshore wind turbines, where elastic moduli balance and erosion resistance are critical.

High solids and water-reducible grades reshape the competitive field. Suppliers that can formulate polyurethane without sacrificing pot life or gloss retention gain share in projects migrating away from solvent-based epoxies. Meanwhile, nano-silica and graphene additives raise scratch resistance and thermal stability, heightening appeal in automotive clearcoats. As a result, the polyurethane segment is set to account for an even larger slice of the protective coatings market size for resins by 2030.

Solvent-borne systems held 71.59% of sales in 2024, reflecting unmatched film formation under extreme ambient conditions. They dominate maintenance coatings on offshore platforms, chemical plants, and pipelines where asset downtime costs eclipse environmental compliance fees. Despite regulatory headwinds, the protective coatings market maintains a sizable solvent-borne volume through 2030 because no alternate cures reliably at very low temperatures or high humidity. Nevertheless, waterborne lines chart the most dynamic trajectory with a 4.58% CAGR, aided by resin synthesis breakthroughs that enhance barrier

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properties and accelerate drying. Powder technology also expands footprints in fabricated steel, aluminum profiles, and consumer equipment, leveraging zero-VOC credentials and recyclability of overspray.

The Protective Coatings Market Report Segments the Industry by Resin Type (Epoxy, Polyurethane, Vinyl Ester, Polyester, and More), Technology (Solvent-Borne, Water-Borne, Powder, and Other Technologies), Substrate (Metal, Concrete, and More), End-User Industry (Oil and Gas, Mining, Power, Infrastructure, and More), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa).

Geography Analysis

Europe remained the principal regional stronghold in 2024 with a 50.37% share of the market, as sustainability policy blended with an aging built environment to drive protective coating uptake. Stringent REACH regulations turbocharge the adoption of waterborne and high-solids formulations, compelling suppliers to invest in greener chemistries.

Asia-Pacific delivers the swiftest volume escalation as urbanization and industrial expansion persist. China channels protective coating demand into high-speed rail track beds, petrochemical complexes, and massive shipyards. Provincial initiatives to upgrade inland waterway bridges also enlarge refurbishment cycles. India mirrors this trajectory with its National Infrastructure Pipeline, creating substantial steel and concrete surface areas for corrosion control systems.

North America occupies an intermediate position yet remains pivotal for high-specification technologies. United States infrastructure packages direct capital toward aging interstate bridges, airports, and freshwater systems.

List of Companies Covered in this Report:

Advanced Polymer Coatings / Akzo Nobel N.V. / Asian Paints PPG Pvt. Ltd. / Axalta Coating Systems, LLC / BASF / Belzona International Ltd. / Berger Paints India / Chugoku Marine Paints, Ltd. / DuluxGroup Ltd. / Hempel A/S / Jotun / Kansai Paint Co.,Ltd. / Nippon Paint Holdings Co., Ltd. / PPG Industries, Inc. / RPM International Inc. / Sika AG / Teknos Group / The Sherwin-Williams Company / Tikkurila /

Additional Benefits:

The market estimate (ME) sheet in Excel format /
3 months of analyst support /

Table of Contents:

- 1 Introduction
 - 1.1 Study Assumptions and Market Definition
 - 1.2 Scope of the Study
- 2 Research Methodology
- 3 Executive Summary
- 4 Market Landscape
 - 4.1 Market Overview
 - 4.2 Market Drivers
 - 4.2.1 Increasing Investments in Infrastructure Construction

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- 4.2.2 Growing Green Coatings Demand
- 4.2.3 Increasing Utilization from the Automotive Industry
- 4.2.4 Growing Demand from the New Energy Sector
- 4.2.5 Rising Consumption from the Marine Industry
- 4.3 Market Restraints
 - 4.3.1 Regulations Related to VOC Emissions
 - 4.3.2 Skilled Labor Shortage in Certain Geographies
 - 4.3.3 Fluctuating Raw Material Prices
- 4.4 Value Chain Analysis
- 4.5 Porter's Five Forces
 - 4.5.1 Bargaining Power of Suppliers
 - 4.5.2 Bargaining Power of Buyers
 - 4.5.3 Threat of New Entrants
 - 4.5.4 Threat of Substitutes
 - 4.5.5 Degree of Competition
- 5 Market Size and Growth Forecasts (Value)
 - 5.1 By Resin Type
 - 5.1.1 Epoxy
 - 5.1.2 Polyurethane
 - 5.1.3 Vinyl Ester
 - 5.1.4 Polyester
 - 5.1.5 Alkyd
 - 5.1.6 Other Resins (Acrylic, Zinc-Rich, etc.)
 - 5.2 By Technology
 - 5.2.1 Solvent-borne
 - 5.2.2 Water-borne
 - 5.2.3 Powder
 - 5.2.4 Other Technologies (High-Solids, UV-Cured, etc.)
 - 5.3 By Substrate
 - 5.3.1 Metal
 - 5.3.2 Concrete
 - 5.3.3 Plastic and Composites
 - 5.3.4 Other Substrates (Wood, Glass, etc)
 - 5.4 By End-use Industry
 - 5.4.1 Oil and Gas
 - 5.4.1.1 Pipeline (incl. Hydrogen Pipeline)
 - 5.4.1.2 Others
 - 5.4.2 Mining
 - 5.4.3 Power
 - 5.4.3.1 Wind Energy
 - 5.4.3.2 Other Power Generating Sectors
 - 5.4.4 Infrastructure
 - 5.4.5 Water Treatment
 - 5.4.5.1 Distribution Pipeline (potable Water and Wastewater Discharge)
 - 5.4.5.2 Desalination and Potable Water Treatment
 - 5.4.5.3 Industrial Water Infrastructure

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5.4.6 Other End-User Industries(Chemicals and Petrochemicals, Automotive, Marine)

5.5 By Geography

5.5.1 Asia-Pacific

5.5.1.1 China

5.5.1.2 India

5.5.1.3 Japan

5.5.1.4 South Korea

5.5.1.5 Rest of Asia-Pacific

5.5.2 North America

5.5.2.1 United States

5.5.2.2 Canada

5.5.2.3 Mexico

5.5.3 Europe

5.5.3.1 Germany

5.5.3.2 United Kingdom

5.5.3.3 France

5.5.3.4 Italy

5.5.3.5 Rest of Europe

5.5.4 South America

5.5.4.1 Brazil

5.5.4.2 Argentina

5.5.4.3 Rest of South America

5.5.5 Middle-East and Africa

5.5.5.1 Saudi Arabia

5.5.5.2 South Africa

5.5.5.3 Rest of Middle-East and Africa

6 Competitive Landscape

6.1 Strategic Moves

6.2 Market Share(%) Analysis

6.3 Company Profiles (includes Global level Overview, Market level overview, Core Segments, Financials as available, Strategic Information, Market Rank/Share, Products and Services, Recent Developments)

6.3.1 Advanced Polymer Coatings

6.3.2 Akzo Nobel N.V.

6.3.3 Asian Paints PPG Pvt. Ltd.

6.3.4 Axalta Coating Systems, LLC

6.3.5 BASF

6.3.6 Belzona International Ltd.

6.3.7 Berger Paints India

6.3.8 Chugoku Marine Paints, Ltd.

6.3.9 DuluxGroup Ltd.

6.3.10 Hempel A/S

6.3.11 Jotun

6.3.12 Kansai Paint Co.,Ltd.

6.3.13 Nippon Paint Holdings Co., Ltd.

6.3.14 PPG Industries, Inc.

6.3.15 RPM International Inc.

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- 6.3.16 Sika AG
- 6.3.17 Teknos Group
- 6.3.18 The Sherwin-Williams Company
- 6.3.19 Tikkurila

7 Market Opportunities and Future Outlook

- 7.1 White-space and Unmet-Need Assessment
- 7.2 Nano-engineered Smart Self-healing Coatings
- 7.3 Bio-based Resin Systems for Offshore Wind Towers

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