# Anti Corrosive Packaging Market Forecasts to 2030 – Global Analysis By Product Type (Bags, Films, Foils, Wraps, Paperboard & Corrugated Boxes and Other Product Types), Material, Technology, Application and By Geography

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## Abstracts

According to Stratistics MRC, the Global Anti Corrosive Packaging Market is accounted for $1.4 billion in 2024 and is expected to reach $2.2 billion by 2030 growing at a CAGR of 7.1% during the forecast period. Anti-corrosive packaging is a type of packaging designed to prevent or minimize the risk of corrosion, especially in metals, during storage and transportation. It includes anti-corrosive agents like films, coatings, or additives that protect goods from moisture, oxygen, and other environmental factors that accelerate rust or deterioration. Common examples include VCI bags, papers, and wraps that release protective vapors to shield metal surfaces.

Market Dynamics:

Driver:

Increasing demand for metal products

Metals like steel, aluminum, and iron are susceptible to corrosion due to exposure to moisture, air, or chemicals. As demand for metal products increases in sectors like automotive, aerospace, construction, and electronics, the risk of corrosion during transportation, storage, and handling also increases. This has led to a growing demand for anti-corrosive packaging solutions like vapor corrosion inhibitor films, corrosion-resistant coatings, and active packaging systems. These solutions protect metal products from rusting, tarnishing, or degrading during transit, contributing to the growth

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of the anti-corrosive packaging market.

Restraint:

Limited awareness among end users

Anti-corrosive packaging is crucial for protecting metal products, especially in industries like automotive, electronics, and machinery. Traditional methods like plastic wraps and cardboard boxes do not provide sufficient protection against corrosion, leading to lower demand for specialized products and limiting market growth. Additionally, failure to address corrosion can damage a business's brand reputation and reduce customer satisfaction. Therefore, it is essential for businesses to prioritize anti-corrosive packaging solutions.

Opportunity:

Increasing logistics and shipping activities

Logistics and shipping activities involve long-distance transportation of goods, which are exposed to environmental conditions like humidity, temperature fluctuations, and salty sea air. Metals like steel, aluminum, and iron are vulnerable to corrosion. As global shipments increase, the risk of corrosion increases, necessitating the use of anti-corrosive packaging solutions like vapor corrosion inhibitor films, moisture-absorbing desiccants, and corrosion-resistant coatings.

Threat:

Competition from alternative packaging solutions

New packaging technologies, like biodegradable and smart packaging, are gaining traction as competitors to anti-corrosive packaging. These materials offer sustainability benefits and can monitor product conditions during transit. While not specifically anti-corrosive, biodegradable materials attract environmentally conscious customers. As these alternatives gain market traction, demand for traditional anti-corrosive packaging solutions may decrease, especially among companies aiming to reduce their environmental footprint.

Covid-19 Impact

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The COVID-19 pandemic significantly impacted the anti-corrosive packaging market, disrupting global supply chains and reducing manufacturing output. The lockdowns and restrictions led to a slowdown in production, resulting in decreased demand for packaging materials, particularly in sectors such as automotive and industrial manufacturing. However, the rise in e-commerce and the need for better product protection during storage and transit boosted demand for corrosion-resistant packaging in certain industries. As markets recover, the demand for anti-corrosive packaging is expected to gradually increase.

The bags segment is expected to be the largest during the forecast period

Over the forecasted timeframe, the bags segment is anticipated to dominate the market share owing to wide use in industries like automotive, aerospace, manufacturing, and electronics to protect metal parts from moisture and corrosive elements during storage and shipment. Available in various sizes and materials, they are adaptable for various products, enhancing their market presence and providing growth opportunities for the anti-corrosive packaging industry.

The volatile corrosion inhibitor (VCI) packaging segment is expected to have the highest CAGR during the forecast period

The volatile corrosion inhibitor (VCI) packaging segment is anticipated to witness substantial growth during the estimation period as they are highly effective method for preventing corrosion in metal products during transit and storage. Chemical vapors from VCI materials form a protective layer on metal surfaces, shielding them from rust and oxidation. This makes it a preferred choice in industries like automotive, aerospace, electronics, and industrial manufacturing. The demand for VCI packaging has surged due to the growing importance of corrosion protection.

Region with largest share:

The North America region is expected to hold the largest share of the market during the forecast period owing to North America's automotive, aerospace, electronics, and industrial manufacturing sectors demand high-quality metal products. These industries require effective anti-corrosive packaging solutions to protect components from rust, oxidation, and degradation during storage and transportation. As demand for metal products continues to grow, so does the demand for protective packaging solutions.

Region with highest CAGR:

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The Asia Pacific region is predicted to witness the lucrative growth rate throughout the forecast period because Asia Pacific region, is a major global trade hub, is experiencing a surge in manufacturing output and the need for long-distance transportation of metal products, machinery, and electronic components. This has led to a growing demand for effective anti-corrosive packaging solutions. The region's growing logistics and shipping activities, especially for metal components, further exacerbate the need for corrosion-resistant packaging materials.

Key players in the market

Some of the key players in Anti Corrosive Packaging market include AGM Container Inc., Armor Protective Packaging, Cortec Corporation, Creopack, Daubert Cromwell, Gulmohar Pack-Tech India Pvt. Ltd., Intertape Polymer Group Inc., Jotun, Metpro Group, Nefab Group, Nitto Denko Corporation, PPG Industries Inc., SAFEPACK, Smurfit Kappa and Trenton Corporation.

Key Developments:

In November 2024, PPG announced that it is renewing its partnership with the STEM Talent Girl program, an educational initiative by the ASTI Foundation that empowers young women in Spain to explore careers in science, technology, engineering and mathematics (STEM). PPG has been supporting the program for over five years.

In November 2024, Smurfit Westrock announced the launch of its latest pioneering innovation, the EasySplit Bag-in-Box® design which was specifically developed to meet the upcoming requirements of the Packaging and Packaging Waste Regulation (PPWR).

In June 2024, Smurfit Kappa, announced it has signed an agreement to acquire Artemis Ltd., a Bag-in-Box packaging plant located in Shumen, Bulgaria. The acquisition will allow Smurfit Kappa to expand its presence and customer base in Eastern Europe, as well as to enhance its product portfolio and innovation capabilities in the bag-in-box sector.

Product Types Covered:

- Bags

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Films

Foils

Wraps

Paperboard & Corrugated Boxes

Other Product Types

Materials Covered:

Polyethylene

Polypropylene

Metal-based Materials

Paper-based Materials

Bio-based Polymers

Other Materials

Technologies Covered:

Volatile Corrosion Inhibitor (VCI) Packaging

Barrier Packaging

Active Packaging

Nanotechnology-based Packaging

Other Technologies

Applications Covered:

- Metal Protection
- Automotive Components
- Electronics & Electrical Equipments
- Aerospace & Defense Equipments
- Construction Materials
- Healthcare & Medical Devices
- Other Applications

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain

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  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

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What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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