

Global Electronic Protection Device Coating Market Size study & Forecast, by Material (Parylene, Urethane, Acrylic, Silicone, Epoxy), by Application (Aerospace and Defence, Automotive, Power and Renewable Energy, Consumer Electronics, Industrial, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Electronic Protection Device Coating Market is valued approximately USD 1.10 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 5.6% over the forecast period 2023-2030. Electronic security device Coatings are specialized coatings or films that are applied to electrical equipment to protect them from external elements that might harm or undermine their operation. These coatings are intended to function as a barrier or shield against moisture, chemicals, dust, temperature fluctuations, abrasion, and electromagnetic interference. Conformal coatings are thin protective layers that adapt to the geometry of an electronic device to provide insulation and protection. The automotive sector is witnessing a notable rise in the incorporation of electronics within vehicles. In the electronic protection device coatings market, the acrylic segment is anticipated to experience consistent expansion in the coming years. The increasing demand for electronic devices across diverse industries is fueling the requirement for dependable and long-lasting protective coatings.

Increase in the integration of electronics in the automotive sector boosts the market. According to the Statista, the global automotive manufacturing market had a value of approximately 2.86 trillion U.S. dollars in 2021. It is estimated that this market expands to around 2.95 trillion U.S. dollars in 2022. As a result, the growing automotive manufacturing market is anticipated to create the demand for the electronic protection device coating market. Additionally, rising use of electronic components in consumer

electronics sectors provide lucrative opportunities to the market growth. However, the high cost of Electronic Protection Device Coating stifling market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Electronic Protection Device Coating Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 due to a large consumer base and a growing disposable income. This has resulted in an increased demand for consumer electronic devices such as smartphones, tablets, laptops, and wearables. To ensure the longevity and durability of these devices, electronic protection device (EPD) coatings are essential. North America is expected to grow significantly during the forecast period, owing to presence of key market players, growing adoption of EVs, rising demand for the consumer electronics, and growing demand in the aerospace and power and renewable energy sectors in the region.

Major market player included in this report are:

ABB India Ltd.

Aculon Inc.

Material Sciences Corporation

Henkel Corporation

3M Company

Endura Ltd.

Specialty Coating Systems Inc.

Electronic Coating Technologies

Electrolube Ltd.

P2i Ltd.

Recent Developments in the Market:

In November 2020, AkzoNobel has expanded its product offerings in the industrial coatings market, including the recent launch of TRINAR A-CLAD in North America. This new coil coating system specially meets to the aluminum composite panel market. Through its unique composition, the TRINAR A-CLAD system offers a variety of design options and superior product performance, including greater stain resistance, higher adhesion, and enhanced scratch and abrasion resistance for durability throughout fabrication and installation. Notably, the coating is formulated with PFOA-free PVDF, aligning with sustainability goals and providing reassurance to customers.

Global Electronic Protection Device Coating Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Material, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Material:

Parylene

Urethane

Acrylic

Silicone

Epoxy

By Application:

Aerospace and Defence

Automotive

Power and Renewable Energy

Consumer Electronics

Industrial

Others

By Region:

North America

U.S.

Canada

Europe

UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
Saudi Arabia
South Africa
Rest of Middle East & Africa

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