

Waterborne Epoxy Resin Market Report and Forecast 2025-2034

Market Report | 2025-07-15 | 176 pages | EMR Inc.

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Report description:

The global waterborne epoxy resin market size is expected to grow at a CAGR of 8.80% between 2025 and 2034. The development is being driven by the increasing demand for lightweight products and the rising demand for environmentally friendly compounds.

Global Waterborne Epoxy Resin Market Trends

Epoxy resins refer to a type of prepolymer and polymers that are known for their strong adhesive qualities. Epoxy resins form a strong and durable substance when mixed with hardeners and curing agents. This is used in a variety of commercial and industrial applications.

Waterborne epoxy resin use water as a solvent to disperse a resin, which makes it environmentally friendly and low in toxicity and flammability. While traditional waterborne resins were water-reducible, modern products are already diluted in water. They have been following the trend to reduce the content of coalescing and process solvents, with a target to reach close to zero VOC.

Rising Demand for Eco-Friendly Products

Regulatory organisations have implemented strict restrictions on the emission of volatile organic compounds (VOCs) with the usage of organic solvents in paints and varnishes. These regulations aim to reduce the impact of VOCs on human health. This can significantly enhance the market growth as waterborne epoxy resins provide zero VOCs emission making them environmentally friendly.

Increasing Utilisation of Epoxy in Automobiles

The demand for lightweight and fuel-efficient vehicles is increasing and to do so, manufacturers are increasingly utilizing adhesives to replace fastening parts including welds, rivets, or bolts. By using adhesives and composites companies aim to reduce

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the extra weight of products and can further propel the market growth.

Global Waterborne Epoxy Resin Market Segmentation

"Waterborne Epoxy Resin Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

Breakup by Product Type

- High Molecular Weight
- Low Molecular Weight

Breakup by Application

- Composites
- Coatings
- Adhesives
- Others

Breakup by End Use

- Automotive
- Construction
- Textile
- Packaging
- Others

Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Product Types Available in the Market

Based on product type, the market segments include high molecular weight and low molecular weight. The low molecular weight segment is expected to show rapid growth due to wide applications for coatings, adhesives, and composites. This type of epoxy resin provides relatively good abrasion resistance and improved dry performance, easy mixing, and low odour.

Applications of Waterborne Epoxy Resin in the Market

Based on application, the market divisions include composites, coatings, and adhesives, among others. Among these applications, adhesives application is projected to hold a major share of the market owing to increasing implementation in the building and construction industry. The demand for compounds is rising due to the trend of making products lightweight. The increased use of composites in commercial sectors such as automotive, aerospace, electronics, and the wind industry, is also expected to drive the

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growth.

Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the following key players in the global waterborne epoxy resin market, covering their competitive landscape and the latest developments like mergers, acquisitions, investments and expansion plans.

Hexion Inc

Hexion Inc. is an American company, a pioneer in chemical manufacturing, and has been engaged in advancing speciality chemicals and performance chemicals. The company was founded in 1899 and its headquarter is located in Ohio, United States. They offer their solution for various applications including adhesives, chemical intermediaries, civil engineering, coatings, crop production, engineered wood, fertilizers and pesticides, among other applications.

Huntsman International LLC

Huntsman International LLC is a chemical manufacturing company, offering its products worldwide to manufacturers. They distribute their products for various end-use consumer and industrial markets. The company deals with four business divisions including polyurethanes, performance products, advanced materials, and textile effects. Their high-performance adhesive technologies provide joining and bonding solutions for plastics, metals, composite materials, and many other substrates.

Evonik Industries AG

Evonik Industries AG is a German speciality chemical company, which was founded in 2007. The company's headquarter is in Essen, Germany. It is one of the largest speciality chemicals companies in the world with products provided in multiple end-use industries, including agriculture, construction, automotive, coating and paints, electronics, lifestyle and personal care, plastics and rubber, among other industries.

Other market players include Kukdo Chemical CO., LTD. and ADEKA Corporation, among others.

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