

Bio-Based Epoxy Resin Market: Future Demand and Top Key Players Analysis | 2030

The Business Research Company's Bio-Based Epoxy Resin Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035

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/EINPresswire.com/ -- "The [bio-based epoxy resin market](#) is experiencing

significant momentum as industries increasingly seek sustainable and high-performance materials. Driven by environmental concerns and the push for renewable resources, this sector is set to expand steadily over the coming years. Let's explore the market's size, growth drivers, regional trends, and key factors shaping its future.

The logo for The Business Research Company, featuring the company name in a serif font and a stylized bar chart with three bars of increasing height to the right.

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Current and Projected Bio-Based Epoxy Resin Market Size and Growth

The bio-based epoxy resin market has shown robust growth in recent years, with its valuation rising from \$3.88 billion in 2025 to an anticipated \$4.18 billion in 2026. This represents a compound annual growth rate (CAGR) of 7.8%. The earlier expansion was largely fueled by initial investments in bio-resin research and development, fluctuations in petroleum prices, tightening sustainability regulations, niche applications in composites, and material science advancements in academia. Looking ahead, the market is expected to grow strongly, reaching \$5.58 billion by 2030 at a CAGR of 7.5%. Future growth is primarily supported by the rise in green construction, expansion of wind energy projects, increasing demand for low volatile organic compound (VOC) coatings, innovations in bio-based materials, and growing corporate commitments toward sustainability. Key trends shaping this period include wider adoption of renewable raw material resins, growth in sustainable coatings and adhesives, rising use in wind energy technologies, broader bio-based composite applications, and efforts to match or exceed the performance of petroleum-derived epoxies.

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Understanding Bio-Based Epoxy Resin and Its Benefits

Bio-based epoxy resin is derived from plant-based or renewable sources instead of traditional petroleum. These resins preserve essential properties of conventional epoxies, such as excellent adhesion, chemical resistance, and durability, while offering a greener, more environmentally friendly alternative. This makes them attractive for industries aiming to reduce their carbon footprint without compromising material performance.

How Renewable Energy Demand Boosts the Bio-Based Epoxy Resin Market

One of the primary forces fueling the bio-based epoxy resin market is the growing demand for renewable energy. Renewable energy comes from continuously replenished natural sources like solar, wind, hydro, and geothermal power. This surge stems from global efforts to cut greenhouse gas emissions and transition away from fossil fuels to combat climate change. Bio-based epoxy resins play a critical role in renewable energy infrastructure by providing durable, sustainable materials for components such as wind turbine blades and solar panels. For example, data from Eurostat in December 2024 highlights that renewable energy accounted for 24.5% of the European Union's total energy consumption in 2023, up from 23.0% in 2022. This upward trend in renewable energy use is directly supporting the expansion of the bio-based epoxy resin market.

View the full bio-based epoxy resin market report:

https://www.thebusinessresearchcompany.com/report/bio-based-epoxy-resin-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=May_PR

Automotive Industry Growth Elevates Bio-Based Epoxy Resin Demand

The expanding automotive sector is another key contributor to the rising need for bio-based epoxy resins. This industry encompasses the global design, development, manufacturing, and sales of motor vehicles. Factors such as increasing consumer demand, higher disposable incomes, and rapid urbanization are driving vehicle production and sales upward. Consequently, the demand for advanced materials like bio-based epoxy resins—valued for their strength, chemical resistance, and durability in coatings, adhesives, composites, and structural parts—is also growing. For instance, a report by the Institute of Chartered Accountants in England and Wales (ICAEW) in October 2025 revealed that worldwide motor vehicle sales reached roughly 95 million units in 2024, up from 92.8 million in 2023. This automotive growth directly supports the bio-based epoxy resin market's expansion.

Regional Overview of the Bio-Based Epoxy Resin Market

In 2025, Asia-Pacific emerged as the largest regional market for bio-based epoxy resin. The market analysis also covers other vital regions including South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa. Each of these areas presents unique opportunities and challenges that influence the global dynamics of bio-based epoxy resin demand and supply.

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