

Global Epoxy Resin Market to Reach USD 24 Billion by 2034, Growing at a 5.7% CAGR | Future Market Insights Inc.

U.S. epoxy resin demand is set to grow at a 5.9% CAGR through 2034, driven by aerospace & defense needs for high-performance adhesives, coatings and components.

NEWARK, DE, UNITED STATES, February 5, 2025 /EINPresswire.com/ -- The global [epoxy resin market](#) is projected to reach USD 24 billion by 2034, growing at a CAGR of 5.7% during the forecast period. In 2024, the market is valued at USD 13.8 billion, driven by increasing demand across industries such as construction, automotive, electronics, and aerospace.

Epoxy resins are widely used for their excellent mechanical properties, chemical resistance, and strong adhesion, making them ideal for coatings, adhesives, and composites. The market's growth is further fueled by rising infrastructure projects, advancements in lightweight materials, and increasing applications in sustainable energy sectors like wind power and electric vehicles.

Epoxy resins, known for their excellent mechanical properties, high adhesion strength, and resistance to heat and chemicals, are widely used in various applications, including paints, adhesives, and composites. The market is expected to grow steadily in the coming years, supported by technological advancements and increasing adoption in end-use industries.



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- **Market Growth:** The epoxy resin market is expected to grow at a steady CAGR over the forecast period due to rising demand in construction, automotive, and electronics sectors.
- **Rising Demand in Construction:** The increasing use of epoxy resins in flooring, coatings, and structural adhesives is propelling market growth.
- **Sustainability Trends:** Growing awareness regarding eco-friendly and bio-based epoxy resins is shaping the future of the industry.
- **Asia-Pacific Dominance:** Countries like China and India are leading in epoxy resin consumption due to rapid industrialization and infrastructural developments.



- **Competitive Landscape:** Key players are focusing on research and development (R&D) to introduce innovative products and improve performance characteristics.

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- **Growing Demand in Wind Energy Sector:** The increasing adoption of epoxy resin composites in wind turbine blades is fueling market growth. Epoxy resins offer superior strength and durability, making them ideal for renewable energy applications.
- **Technological Advancements:** Advancements in epoxy resin formulations, including hybrid resins and enhanced curing agents, are improving performance and expanding application areas.
- **Shift Towards Bio-Based Resins:** With rising environmental concerns, manufacturers are focusing on bio-based epoxy resins derived from plant-based raw materials to reduce carbon footprint.
- **Increased Use in Automotive and Aerospace:** The lightweight and high-strength properties of epoxy resins make them a preferred choice in the automotive and aerospace industries for structural components and coatings.

- Expanding Electronics Industry: The rising demand for consumer electronics and advanced electronic devices is driving the need for epoxy resins in PCB manufacturing and electronic encapsulation.

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- Steady Market Growth: The epoxy resin market is experiencing consistent growth, driven by demand from construction, automotive, and electronics industries.
- Sustainability Focus: Rising interest in bio-based and low-VOC epoxy resins is shaping market trends.
- Technological Innovations: Advancements in resin formulations are expanding applications and improving product performance.
- Regional Leadership: Asia-Pacific remains the dominant market due to rapid industrialization and infrastructure expansion.
- Competitive Strategies: Leading players are investing in R&D and strategic collaborations to enhance their market presence.

"The epoxy resin market is poised for sustained growth, fueled by increasing applications in diverse industries. As demand for high-performance materials rises, companies must focus on innovation and sustainability to stay competitive. The shift towards bio-based epoxy resins will be a key trend, shaping the future of the market and driving environmentally friendly solutions." says Nikhil Kaitwade, Associate Vice President at Future Market Insights (FMI).

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The epoxy resin market is highly competitive, with key players focusing on product innovation, capacity expansion, and strategic collaborations to strengthen their market position. Some of the leading companies include:

- Hexion Inc.
- Huntsman Corporation
- Aditya Birla Chemicals
- Kukdo Chemical Co., Ltd.
- Olin Corporation
- Nan Ya Plastics Corporation

- Dow Inc.
- Sika AG
- Ashland Global Holdings Inc.
- 3M Company
- DIC Corporation
- Atul Ltd.
- Evonik Industries AG
- Kemper System America, Inc.
- Reichhold LLC (Polynt Group)

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By Type:

- DGBEA
- Novolac
- DGBEF
- Aliphatic
- Glycidylamine
- Others

By Technology:

- Solvent Cut Epoxy
- Liquid Epoxy
- Waterborne Epoxy
- Others

By Application:

- Composites
- Paints & Coatings
- Grouts & Mortars
- Adhesives
- Electronic Encapsulation
- Others

By End-use:

- Aerospace
- Automotive & Transportation
- Building & Construction
- Electrical & Electronics

- Marine
- Others

By Region:

- North America
- Latin America
- Western Europe
- Eastern Europe
- Asia Pacific (APAC)
- Middle East & Africa (MEA)
- Japan

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