

Global Flexible Epoxy Resin Market Size Study, By Product Type (Urethane Modified, Rubber Modified, Dimmer Acid Modified), By Application (Composites, Adhesives & Sealants, Electrical & Electronics, Paints & Coatings, Construction, Others), and Regional Forecasts 2022-2032

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Abstracts

The Flexible Epoxy Resin Market is valued at approximately USD 638.54 million in 2023 and is anticipated to grow at a CAGR of 5.6% over the forecast period 2024-2032. The increasing demand for high-performance, lightweight materials in industries such as automotive, aerospace, and flexible electronics is a key driver for market expansion. Flexible epoxy resins offer exceptional chemical resistance, impact strength, and durability, making them indispensable in protective coatings, composites, and adhesives.

The construction sector has emerged as a major consumer of flexible epoxy resins, driven by the growing need for robust and long-lasting flooring solutions, waterproofing materials, and infrastructure repair products. These resins provide superior resistance to environmental stressors, significantly extending the lifespan of buildings and industrial structures while reducing maintenance costs. Additionally, the electronics industry continues to integrate flexible epoxy resins for encapsulation, potting, and insulation applications due to their outstanding electrical insulation properties, moisture resistance, and thermal stability.

Market growth is further fueled by technological advancements in polymer chemistry, leading to innovative hybrid epoxy formulations that offer enhanced flexibility, toughness, and energy efficiency at lower curing temperatures. These advancements

have broadened the scope of applications for renewable energy, consumer electronics, and high-performance coatings. The shift toward sustainability and the rising adoption of bio-based epoxy resins are also driving demand, as industries look to reduce volatile organic compound (VOC) emissions and incorporate eco-friendly components into epoxy formulations.

Regionally, Asia-Pacific dominates the global flexible epoxy resin market, accounting for the largest revenue share, fueled by rapid industrialization, infrastructure expansion, and strong demand from the electronics and automotive sectors. The North American market is expected to grow at the fastest pace, supported by significant investments in aerospace, automotive lightweighting, and electric vehicle battery encapsulation. The European market, on the other hand, is witnessing growth due to stringent environmental regulations that encourage the adoption of low-VOC epoxy resins in construction, industrial coatings, and transportation applications.

Major Market Players Included in this Report:

Hexion (US)

Olin Corporation (US)

DIC Corporation (Japan)

Nan Ya Plastics Corporation (Taiwan)

Dow (US)

Resintech Limited (UK)

KUKDO Chemical Co., Ltd. (South Korea)

Sicommin Epoxy Systems (France)

INTERTRONICS (UK)

Easy Composites (UK)

LymTal International, Inc. (US)

EPOXONIC (Germany)

Mereco Technologies (US)

Conren Limited (UK)

Westlake Corporation (US)

The detailed segments and sub-segments of the market are explained below:

By Product Type:

Urethane Modified

Rubber Modified

Dimmer Acid Modified

By Application:

Paints & Coatings

Adhesives & Sealants

Composites

Electrical & Electronics

Construction

Others

By Region:

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

India

Japan

Australia

Southeast Asia

Rest of Asia-Pacific

Central & South America

Brazil

Argentina

Rest of Latin America

Middle East & Africa

South Africa

Saudi Arabia

UAE

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed geographical landscape analysis with country-level insights.

Competitive landscape analysis with information on major players in the market.

Analysis of key business strategies and future market approaches.

Competitive structure analysis of the Flexible Epoxy Resin market.

Demand-side and supply-side analysis of the market.

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