

Global Bioadhesives Market Size Study & Forecast, by Type and Application, and Regional Forecasts 2025–2035

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Abstracts

The Global Bioadhesives Market is valued at approximately USD 10.26 billion in 2024 and is anticipated to flourish with a compelling compound annual growth rate (CAGR) of 8.70% during the forecast period from 2025 to 2035. As industries pivot toward sustainability and regulatory bodies push for safer, non-toxic alternatives, bioadhesives have emerged as a transformative solution to replace synthetic adhesives derived from petroleum-based resources. Sourced from renewable raw materials such as soy protein, starch, gelatin, lignin, and casein, these bio-based adhesives are quickly carving out space across a broad spectrum of sectors—from healthcare and construction to automotive and packaging.

The surge in consumer demand for eco-friendly products, coupled with escalating environmental awareness and governmental pressure to reduce VOC emissions, has significantly accelerated the adoption of bioadhesives. In the healthcare industry, their application in surgical glues and wound closure materials is expanding due to their non-cytotoxic and biodegradable properties. Meanwhile, in packaging and paper manufacturing, bioadhesives provide a viable alternative to conventional glues without compromising performance. Construction firms, too, are leveraging these adhesives to meet green building standards while enhancing insulation and sealing capabilities. As companies invest in R&D to boost shelf life, adhesion strength, and moisture resistance, bioadhesives are swiftly becoming not just a substitute—but a superior option.

From a geographical lens, North America currently leads the charge in bioadhesives adoption, underpinned by strong environmental regulations, robust R&D funding, and a high concentration of eco-conscious manufacturers. The United States, in particular, is home to numerous bioadhesive innovators that are shaping the global trajectory of this

market. Europe follows suit, bolstered by its strict sustainability mandates and high uptake in automotive and medical applications. Meanwhile, the Asia Pacific region is positioned as the fastest-growing hub, driven by its rapidly industrializing economies, rising environmental consciousness, and growing investments in biobased technologies. Countries like China and India are increasingly channeling funds into green chemistry and sustainable manufacturing, paving the way for extensive bioadhesives deployment in regional markets.

Major market player included in this report are:

3M Company

Henkel AG & Co. KGaA

Arkema Group

Ashland Global Holdings Inc.

Sika AG

DuPont de Nemours, Inc.

Danimer Scientific

Paramelt B.V.

Dow Inc.

EcoSynthetix Inc.

Bioadhesive Alliance Inc.

Yparex B.V.

Cryolife Inc.

Ingredion Incorporated

Huntsman Corporation

Global Bioadhesives Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

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

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

Customization Scope – Free report customization (equivalent up to 8 analysts' 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 for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

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

By Type:

Plant-based

Animal-based

By Application:

Packaging & Paper

Construction

Woodworking

Personal Care

Medical

By End-user:

Healthcare

Construction

Packaging

Automotive

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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