

Global Composite Adhesive Market Size study, by Resin (Epoxy, Polyurethane), by Component (One-Component, Two-Component), by Application (Automotive & Transportation, Marine, Aerospace, Wind Energy), and Regional Forecasts 2022-2032

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Abstracts

The Global Composite Adhesive Market is valued approximately at USD 1.92 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 7.90% over the forecast period 2024-2032. Composite adhesives have redefined the manufacturing landscape with their robust bonding capabilities, enabling the integration of diverse materials into high-performance structures. These adhesives offer superior strength-to-weight ratios, durability, and resistance to environmental factors, making them indispensable in industries such as aerospace, automotive, and wind energy. The growing emphasis on lightweight and fuel-efficient designs further propels the demand for composite adhesives, positioning them as pivotal components in advancing sustainable manufacturing practices.

The surging adoption of composite adhesives is driven by their widespread applicability across critical sectors. In the automotive and aerospace industries, these adhesives contribute significantly to weight reduction, enhancing fuel efficiency and reducing carbon emissions. Similarly, the wind energy sector leverages composite adhesives to construct durable, lightweight blades capable of withstanding harsh environmental conditions. Innovations in adhesive formulations, such as the development of eco-friendly and high-temperature-resistant variants, continue to unlock new possibilities for industry players, fostering market expansion.

Regionally, North America stands at the forefront of the composite adhesive market, benefiting from a mature industrial base and robust investments in research and

development. The region's aerospace and automotive sectors have particularly embraced these adhesives for their unparalleled efficiency and performance. On the other hand, the Asia Pacific region is experiencing unprecedented growth, propelled by rapid industrialization, rising investments in renewable energy, and burgeoning automotive production. This regional diversity underscores the evolving global demand and strategic opportunities within the composite adhesive market.

Leading market players are actively engaging in innovative practices to stay ahead in this competitive landscape. These strategies include extensive R&D initiatives, collaborations, and mergers and acquisitions aimed at enhancing product portfolios and broadening market reach. With advancements in resin formulations and application technologies, companies are poised to address the dynamic requirements of end-use industries effectively.

Major market players included in this report are:

Henkel AG & Co. KGaA

3M Company

Huntsman Corporation

Bostik SA

Lord Corporation

Sika AG

Scott Bader Co., Ltd.

Permabond LLC

Ashland Global Holdings Inc.

Dymax Corporation

Royal Adhesives & Sealants LLC

Delo Industrial Adhesives

H.B. Fuller Company

Arkema Group

Parson Adhesives Inc.

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

By Resin:

Epoxy

Polyurethane

By Component:

One-Component

Two-Component

By Application:

Automotive & Transportation

Marine

Aerospace

Wind Energy

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

Saudi Arabia

South Africa

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:

Detailed market estimates and forecasts spanning a decade from 2022 to 2032.

Annualized revenue analysis and granular regional insights for all segments.

Comprehensive geographical breakdown with in-depth country-level analysis.

Insights into competitive dynamics, highlighting key players and their strategies.

Analysis of market trends, opportunities, and challenges, with actionable recommendations.

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