

# **Specialty Adhesives & Sealants Market Forecasts to 2030 – Global Analysis By Resin Type (Epoxy Resin, Polyurethane Resin, Acrylic Resin, Silicone Resin, Phenolic Resins, Polyolefin Resins, Butyl Rubber Resins and Other Resin Types), Formulation, Application, End User and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Specialty Adhesives & Sealants Market is accounted for \$78.24 billion in 2024 and is expected to reach \$88.27 billion by 2030 growing at a CAGR of 4.8% during the forecast period. Specialty adhesives and sealants are specialized products designed for specific applications where standard adhesives may not be suitable. These materials offer enhanced properties like high-temperature resistance, water resistance, flexibility, and bonding strength for challenging surfaces or conditions. Specialty adhesives and sealants are formulated to meet precise requirements, such as environmental resistance, electrical insulation, or rapid curing, ensuring long-lasting and reliable solutions for a wide range of applications.

According to Plastic Europe Association, the consumption of cyanoacrylates products in the construction sector in the European Union has increased by 5.7% from the first quarter of 2021 to the third quarter of 2021 as compared to the same period of 2020.

Market Dynamics:

Driver:

Increasing demand in automotive industry

Automotive manufacturers increasingly rely on these products to enhance vehicle performance, reduce weight, and improve fuel efficiency. Specialty adhesives are used for bonding lightweight materials like composites, plastics, and metals, while sealants ensure enhanced durability and weather resistance in vehicle assemblies. Additionally, the shift towards electric vehicles (EVs) has led to the need for specialized adhesives for battery packs and other sensitive components. This demand for innovative bonding and sealing solutions across automotive applications fuels market expansion and technological advancements.

Restraint:

Volatility in raw material prices

Volatility in raw material prices for specialty adhesives & sealants is primarily due to fluctuations in the prices of petroleum-based products, natural resins, and other essential chemicals. Disruptions in global supply chains, geopolitical tensions, and changes in demand contribute to this instability. As raw material costs rise, manufacturers may face higher production expenses, which can be passed onto consumers, resulting in increased product prices. This price uncertainty can limit profitability, reduce market competitiveness, and hinder investments, ultimately slowing down market growth.

Opportunity:

Growth of the electronics industry

As electronics devices become more advanced and miniaturized, the demand for specialized adhesives and sealants rises. These materials are critical for ensuring the durability, performance, and reliability of electronic components, such as semiconductors, displays, and circuit boards. They provide functions like thermal management, insulation, and moisture resistance, essential in modern electronic products like smartphones, laptops, and wearables. The expanding electronics sector drives the demand for high-performance specialty adhesives and sealants, fueling market expansion.

Threat:

Competition from alternatives

Alternatives such as mechanical fasteners, welding, and traditional adhesives may be more cost-effective, easier to apply, or offer simpler solutions for certain applications, making them attractive to cost-conscious industries. Additionally, some traditional methods, such as screws and rivets, are well-established and do not require the specialized knowledge or material costs associated with advanced adhesives and sealants. As a result, businesses may opt for these alternatives, limiting the market's growth potential for specialty solutions.

### Covid-19 Impact

The covid-19 pandemic caused temporary disruptions in the specialty adhesives & sealants market due to supply chain interruptions, factory shutdowns, and reduced manufacturing activity. However, the demand for adhesives and sealants in medical, pharmaceutical, and packaging applications surged as industries adapted to pandemic-related needs, such as protective equipment and sanitization packaging. The construction and automotive sectors experienced slowdowns, but recovery efforts and the growing demand for sustainable, high-performance materials are expected to drive long-term growth post-pandemic.

The bonding segment is expected to be the largest during the forecast period

The bonding segment is predicted to secure the largest market share throughout the forecast period owing to their high strength, durability, and resistance to environmental factors. They are used for bonding metals, plastics, composites, and glass, offering enhanced performance compared to traditional fasteners. Advanced bonding solutions cater to specific requirements such as flexibility, temperature resistance, and rapid curing, supporting the development of lightweight, efficient, and reliable products across various sectors.

The building & construction segment is expected to have the highest CAGR during the forecast period

The building & construction segment is anticipated to witness the highest CAGR during the forecast period. Specialty adhesives and sealants in building and construction are used for bonding materials like concrete, wood, metal, and glass, as well as for sealing gaps and joints to prevent air and water infiltration. These adhesives offer superior strength, flexibility, and weather resistance, making them ideal for applications such as flooring, wall panels, windows, and roofing. They also contribute to energy efficiency,

soundproofing, and improved aesthetic appeal in construction projects.

Region with largest share:

Asia Pacific is expected to register the largest market share during the forecast period due to rapid industrialization and infrastructure development. Countries like China, India, and Japan are key drivers, with the rising automotive production, electronics manufacturing, and booming construction activities fueling market expansion. The region's manufacturing capabilities and increasing consumer demand also offer substantial opportunities for market players.

Region with highest CAGR:

North America is expected to witness the highest CAGR over the forecast period driven by strong demand across industries such as automotive, construction, aerospace, and electronics. The U.S. is a key player, with significant investments in research and development of advanced sealants for diverse applications, including medical and electronics. The shift towards sustainable solutions and stringent regulations promoting environmental safety also bolster the market growth in North America, further expanding opportunities for market players.

Key players in the market

Some of the key players profiled in the Specialty Adhesives & Sealants Market include 3M Company, Henkel AG & Co. KGaA, Sika AG, H.B. Fuller, Bostik, Dow Inc., BASF SE, Avery Dennison Corporation, LORD Corporation, DuPont de Nemours, Inc., Huntsman Corporation, Franklin International, RPM International Inc., Ashland Global Holdings Inc., ITW Performance Polymers, Wacker Chemie AG, Mapei S.p.A., Covestro AG, Master Bond Inc. and Permabond LLC.

Key Developments:

In September 2024, Bostik launched the new Bostik Fast Glue Ultra+ that provides excellent adhesion to a wide variety of surfaces, including plastics, metals, ceramics, and wood. It delivers fast-setting, durable bonding, making it ideal for both industrial applications and consumer use.

In May 2024, H.B. Fuller has acquired ND Industries, a leading provider of specialty adhesives and fastener locking and sealing solutions. This strategic acquisition will

enhance H.B. Fuller's product offerings in high-growth, high-margin segments. ND Industries' Vibra-Tite® brand will complement H.B. Fuller's existing product portfolio, combining adhesive and mechanical fastener benefits for demanding applications.

#### Resin Types Covered:

Epoxy Resin

Polyurethane Resin

Acrylic Resin

Silicone Resin

Phenolic Resins

Polyolefin Resins

Butyl Rubber Resins

Other Resin Types

#### Formulations Covered:

Solvent-Based

Water-Based

Hot Melt

Reactive

Other Formulations

#### Applications Covered:

Bonding

Sealing

Coating

Potting & Encapsulation

Other Applications

End Users Covered:

Automotive

Building & Construction

Aerospace

Electronics

Packaging

Medical

Marine

Other End Users

Regions Covered:

North America

US

Canada

Mexico

## Europe

Germany

UK

Italy

France

Spain

Rest of Europe

## Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

## South America

Argentina

Brazil

Chile

Rest of South America

## Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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