

Acrylic Adhesives Market Forecasts to 2030 – Global Analysis By Type (Acrylic Polymer Emulsion, Cyanoacrylic, Methacrylic, UV-Curable Acrylic and Other Types), Technology, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Acrylic Adhesives Market is accounted for \$15.8 billion in 2024 and is expected to reach \$25.2 billion by 2030 growing at a CAGR of 8.1% during the forecast period. Acrylic adhesives are strong, durable, and adaptable bonding agents made from acrylic or methacrylic polymers. They are used in various industries due to their ability to bond dissimilar materials like metals, plastics, glass, and composites. They cure quickly through a chemical reaction and resist environmental factors. Available in various forms like liquid, paste, and film, they offer excellent load-bearing capacity and resistance to peeling or impact. Their fast curing time reduces production delays and is often used in assembly lines for quick bonding. They also provide aesthetic benefits as they dry clear and don't require additional finishing.

According to patent analysis reveals the geographical distribution of patent filings related to acrylic adhesives, with China leading at 23.20%, followed by the U.S. at 19.04%. The Europe and the UK contribute significantly at 12.19% and 11.84%, respectively.

Market Dynamics:

Driver:

Growing demand in construction and building

Acrylic adhesives are essential in modern construction due to their strength, resistance to environmental factors, and versatility. They are commonly used in curtain wall construction, where large panels are secured to building frames, ensuring structural stability. They also secure tiles, vinyl, and laminates to subfloors, ensuring long-term durability. In roofing and insulation systems, acrylic adhesives enhance weatherproofing and UV resistance, while holding lightweight materials, promoting energy efficiency and structural integrity.

Restraint:

Volatility in raw material prices

Petrochemical-based raw materials are highly sensitive to global market fluctuations, such as crude oil price changes, supply-demand imbalances, and economic instability. During geopolitical tensions, the cost of petrochemical derivatives can escalate. Manufacturers in the acrylic adhesives industry often operate in competitive markets with low price elasticity, making it difficult to pass increased costs onto end-users, especially when dealing with large-scale buyers in construction, automotive, or electronics industries.

Opportunity:

Rise in flexible packaging & advancements in medical devices

Acrylic adhesives are essential for wearable medical devices, minimally invasive surgeries, and sterilization resistance. They provide secure, gentle adhesion to skin, ensuring comfort and reliability. They are suitable for precision bonding of small components made of metals and polymers, and are formulated to withstand sterilization processes like autoclaving, gamma irradiation, or ethylene oxide treatment, ensuring device integrity and safety. These adhesives are crucial for the growth of wearable health monitors and minimally invasive surgeries propelling the market growth.

Threat:

Limited heat resistance

Epoxy adhesives are known for their exceptional thermal resistance, allowing them to withstand temperatures exceeding 200°C (392°F), making them ideal for aerospace and automotive applications. Silicone adhesives are known for their thermal stability and

flexibility, tolerating temperatures as high as 250°C (482°F) or more. Moreover, polyurethane adhesives offer a balance of heat resistance, flexibility, and strength, with thermal stability up to 180°C (356°F), making them suitable for construction and renewable energy systems hampering the acrylic adhesives market.

Covid-19 Impact

The COVID-19 pandemic significantly impacted the acrylic adhesives market. Disruptions in supply chains, halted construction projects, and reduced manufacturing activities led to a decline in demand across sectors such as automotive and aerospace. Additionally, the growth of e-commerce and flexible packaging during lockdowns provided a partial recovery. Post-pandemic, market recovery has been supported by resumed industrial activities and growing investments in infrastructure and healthcare.

The acrylic polymer emulsion segment is expected to be the largest during the forecast period

Over the estimation period, the acrylic polymer emulsion segment is expected to capture the largest market share owing to acrylic polymer emulsions that are gaining popularity in the packaging industry due to their high bonding strength, clarity, and resistance to moisture. They are used in various industries, including food and beverage, medical, and consumer goods packaging. In the construction sector, they are used in adhesives for flooring, wall coverings, tile installation, and sealants, making them essential for residential and commercial applications.

The paper & packaging segment is expected to have the highest CAGR during the forecast period

The paper & packaging segment is expected to have the highest CAGR growth during the estimation period especially in designs requiring specialized functionality. They provide bond strength and adaptability for complex designs like intricate folding, embossing, or laminating processes. As the packaging industry incorporates new technologies like QR codes, NFC, and RFID tags, acrylic adhesives are increasingly used to bond electronic components to paper and cardboard materials, enabling the development of interactive, 'smart' packaging solutions.

Region with largest share:

Over the forecasted timeframe, the North America region is anticipated to have the

largest market share owing to the growth of e-commerce in North America that has increased the demand for packaging materials, leading to the use of acrylic adhesives in various packaging products due to their fast curing time and strong adhesive properties. This has led to a greater adoption of water-based acrylic adhesives, which are free of harmful VOCs and recyclable, making them an ideal solution for the packaging industry's shift towards green practices boosting the market growth in this region.

Region with highest CAGR:

The Asia Pacific region is predicted to witness the highest CAGR growth rate throughout the forecast period owing to China and India which are experiencing rapid infrastructure development, leading to the widespread use of acrylic adhesives in construction for bonding glass, flooring, insulation, and facade systems. The Asia Pacific's urbanization, particularly in cities like Mumbai, Beijing, and Ho Chi Minh City, demands efficient and durable adhesives for various construction materials due to their high strength, UV resistance, and flexibility.

Key players in the market

Some of the key players in Acrylic Adhesives market include 3M, Arkema Group, Avery Dennison Corporation, BASF, Covestro LLC, Dow, Eastman Chemical Company, H.B. Fuller Company, Henkel AG & Co. KGaA, Hubei Huitian New Materials Co. Ltd, Huntsman International LLC, Jowat SE, Kangda New Materials Co., Ltd., MAPEI S.p.A., Pidilite Industries Ltd., Royal Adhesives & Sealants, Sika AG and Soudal Holding N.V.

Key Developments:

In December 2024, 3M and US Conec Ltd. announced a strategic licensing agreement for 3M™ Expanded Beam Optical Interconnect technology; a solution to meet the performance and scalability needs of next-generation data centers and advanced network architectures. The collaboration combines advanced optical technology.

In November 2024, BASF's monomers division announced that its Polyamide 6 (PA6) plant in Shanghai has been awarded the ISCC PLUS certification. The PA6 plant is now ready to supply both biomass balanced and Cycled® PA6 & PA6/6.6 copolymer.

In October 2024, 3M expanded its commitment to consumer safety and hearing protection with the launch of 3M™ WorkTunes™ Connect + Solar Hearing Protector. The

headset marks the first solar charging wireless Bluetooth hearing protector available in the consumer market.

Types Covered:

Acrylic Polymer Emulsion

Cyanoacrylic

Methacrylic

UV-Curable Acrylic

Other Types

Technologies Covered:

Pressure-Sensitive

Solvent-Based

Reactive

Other Technologies

Applications Covered:

Paper & Packaging

Construction

Wound Dressings & Surgical Tapes

Furniture & Cabinetry

Sensors & Circuit Boards

Other Applications

End Users Covered:

Consumer Goods

Medical

Electronics

Automotive

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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