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Construction Adhesives Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Resin Type (Acrylic Adhesive, Polyurethane (PU), Epoxy, Polyvinyl Acetate (PVA) and Others), By Technology (Waterborne Technology, Solvent borne Technology, Reactive Technology and Others), By End-Use Sector (Infrastructure, Residential and Non-Residential), By Region & Competition, 2021-2031F

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Abstracts

The Global Construction Adhesives Market is projected to expand from USD 12.24 Billion in 2025 to USD 16.89 Billion by 2031, registering a CAGR of 5.51%. This sector focuses on producing bonding agents used to join diverse materials such as wood, metal, glass, and concrete for both structural and non-structural building applications. Key drivers supporting this market include rapid urbanization and extensive government infrastructure projects, which demand durable joining solutions that offer advantages over traditional mechanical fasteners. Furthermore, regulatory mandates for sustainability and energy efficiency require the use of specific chemically bonded insulation and sealing products. The American Institute of Architects projected that spending on nonresidential buildings would increase by over 7 percent in 2024, highlighting the substantial underlying demand for essential construction inputs, including adhesives.

A major challenge potentially impeding market expansion is the volatility of raw material prices, specifically for the petrochemical derivatives required to synthesize resins. Unpredictable fluctuations in global oil prices frequently destabilize production costs,

compelling manufacturers to operate with uncertain profit margins and complicating supply chain management. This economic variability presents a persistent obstacle to consistent industry growth and can delay project timelines when material costs escalate beyond initial estimates.

Market Driver

The surge in global infrastructure investment and mega-projects serves as a primary catalyst for the construction adhesives sector, with governments worldwide prioritizing the upgrading of public utilities and transportation networks. This escalation in capital expenditure necessitates high-performance bonding agents capable of enduring environmental stress and extreme loads, effectively replacing traditional mechanical fasteners in critical structural applications. According to The Economic Times in February 2024, the Indian government's 'Interim Budget 2024' allocated ?11.11 lakh crore for infrastructure development, marking an 11.1% increase over the previous year. This fiscal commitment underscores the massive scale of construction activity driving adhesive consumption across emerging economies. Highlighting this positive market momentum, Sika's 'Half-Year Report 2024' in July 2024 reported record sales of CHF 5,834.8 million, driven significantly by resilient infrastructure demand in the Americas and EMEA regions.

Escalating demand for sustainable and low-VOC adhesive solutions is fundamentally reshaping product formulation. As regulatory bodies enforce stricter environmental standards and certifications like LEED become ubiquitous, manufacturers are compelled to develop solvent-free and bio-based bonding agents. This trend is driven by asset owners seeking to minimize the carbon footprint of the built environment through energy-efficient envelope sealing and insulation bonding. Consequently, industry leaders are aggressively decarbonizing their operations to align with these market preferences. According to Henkel's 'Sustainability Report 2023', published in March 2024, the company achieved a 61% reduction in carbon dioxide emissions per ton of product, illustrating the rapid supply-side pivot toward sustainable manufacturing required to remain competitive in this evolving landscape.

Market Challenge

The volatility of raw material prices, particularly for petrochemical derivatives required to synthesize resins, constitutes a significant impediment to the growth of the global construction adhesives market. Since adhesive formulations rely heavily on chemical feedstocks, unpredictable fluctuations in global oil markets can rapidly destabilize manufacturing costs. This variability complicates supply chain management and makes it difficult for manufacturers to forecast expenses accurately, often resulting in compressed profit margins or the necessity to pass increased costs onto end-users, which can dampen demand.

Consequently, this economic instability creates hesitation among contractors and developers who require predictable pricing for long-term infrastructure and building projects. When material costs escalate beyond initial projections, it disrupts project timelines and forces stakeholders to delay procurement or reassess budget allocations. According to the Associated General Contractors of America, in 2024, the price index for inputs to new nonresidential construction increased by 2.2 percent over the previous year, highlighting the persistent inflationary pressures on essential building materials. Such unpredictability in input costs directly hinders the steady expansion of the adhesives sector by introducing financial risk into standard construction operations.

Market Trends

The expansion of use in prefabricated and modular construction is radically altering the adhesives landscape, moving application from uncontrolled jobsites to precision-controlled factory environments. This shift necessitates bonding agents that offer rapid initial grab and compatibility with automated dispensing systems to accelerate assembly lines for volumetric modular units. Unlike traditional methods, offsite manufacturing relies on high-strength adhesives to join lightweight frames and panels, ensuring structural rigidity during transport and installation while minimizing weight. According to Saint-Gobain's '2024 Annual Results' from February 2025, the group finalized strategic acquisitions totaling ?5 billion, including Bailey in Canada, to specifically reinforce its leadership in light and sustainable prefabricated construction.

The emergence of extreme weather and chemical resistant formulations is becoming critical as construction projects increasingly target harsh environments and specialized high-tech facilities. Modern bonding solutions must now withstand intensified climatic stressors and the rigorous chemical exposure found in next-generation industrial applications, such as semiconductor fabrication plants and hyperscale data centers. These sectors require advanced adhesives that maintain integrity under extreme thermal cycling and corrosive conditions, surpassing the capabilities of standard construction sealants. According to Sika's 'Annual Report 2024' from February 2025, the company reported record net sales of CHF 11,763.1 million, attributed largely to robust demand in challenging high-value markets including semiconductor manufacturing and data centers.

Key Market Players

Henkel AG & Co. KGaA

3M Company

Sika AG

Arkema S.A.

H.B. Fuller Company

Dow Inc.

Pidilite Industries Ltd.

Avery Dennison Corporation

Illinois Tool Works Inc.

BASF SE

Report Scope

In this report, the Global Construction Adhesives Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Construction Adhesives Market, By Resin Type

Acrylic Adhesive

Polyurethane (PU)

Epoxy

Polyvinyl Acetate (PVA) and Others

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Construction Adhesives Market, By Technology

- Waterborne Technology
- Solvent borne Technology
- Reactive Technology and Others

Construction Adhesives Market, By End-Use Sector

- Infrastructure
- Residential and Non-Residential

Construction Adhesives Market, By Region

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- Asia Pacific

- China
- India
- Japan
- Australia
- South Korea

South America

- Brazil
- Argentina
- Colombia

Middle East & Africa

- South Africa
- Saudi Arabia
- UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Construction Adhesives Market.

Available Customizations:

Global Construction Adhesives Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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