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Adhesives & Sealants Market by Adhesive Technology (Water-based, Solvent-based, Hot-melt, Reactive), Sealant Resin Type (Silicone, Polyurethane, Plastisol, Emulsion, Polysulfide, Butyl), Application, & Region - Global Forecast to 2029

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Abstracts

The global adhesives & sealants market size was USD 76.1 billion in 2024 and is projected to reach USD 86.6 billion by 2029, at a CAGR of 2.6% between 2024 and 2029. Water-based technology accounted for the largest segment of adhesive technology & resins. The growth of the water-based adhesives sector is being driven by a steady rise in demand from building and construction projects in North America, as well as the initiation of new infrastructure ventures in India, Taiwan, and other developing countries worldwide. These adhesives exhibit superior adhesion characteristics across various substrates and are widely applied in packaging tasks such as bookbinding, paper bags, cartons, labels, foils, films, paperboard decals, wood assembly, automobile upholstery, and leather binding.

“Paper & packaging by adhesive application accounted for the largest segment of adhesives market.”

The global paper & packaging sector is experiencing significant growth, primarily driven by emerging markets where urbanization is leading to changes in consumer behavior and an increased demand for packaged products. The rise of e-commerce is also contributing to this growth. Economic development and demographic shifts play crucial roles in propelling the packaging industry forward. With anticipated increases in income, consumer spending on packaged goods is expected to rise. Furthermore, there is a notable surge in demand for pharmaceutical products, particularly in developed markets like Japan, driven by rising life expectancies.

“Silicone, by sealant resin type accounted for the largest segment of adhesives & sealants market.”

Leading the sealants market is silicone, closely followed by polyurethane. Silicone-modified polyether sealants, which initially originated in Japan, have now expanded their reach to encompass broader markets in North America and Europe. The surge in demand for silicone sealants stems from their versatile applications in various automobile bonding tasks, including sealing joints, gaps, and cracks, forming low-temperature gaskets, and replacing windscreens. Additionally, they are used for bonding headlamps, fog lamps, tail lamps, lamp covers, caps, and bulb mounting sockets, driving growth within this segment.

“Building & construction, by sealant application accounted for the largest segment of sealants market.”

The building and construction segment holds the largest portion of the sealants market share. Sealants also serve as adhesives in various applications. For example, in structural glazing for glass-walled buildings, sealants are not only used for sealing but also for bonding the glass to the building framework. While sealants may not possess the high tensile strength characteristic of adhesives, they offer superior durability and reliability when exposed to conditions such as high humidity, chemical exposure, or electrical stress. Particularly, silicones facilitate some movement between bonded parts, thereby mitigating shearing stresses resulting from differences in thermal expansion among dissimilar materials.

“Asia Pacific, by region is forecasted to be the fastest segment of adhesives & sealants market during the forecast period.”

Asia Pacific has emerged as a key player in both the production and consumption of adhesives and sealants, propelled by increasing domestic demand, rising income levels, and favorable resource accessibility. It stands as the primary region for automobile manufacturing, with the automotive and transportation sector representing a major consumer of adhesives and sealants. Economic growth across the Asia Pacific region, particularly in emerging markets such as India, Taiwan, Indonesia, Malaysia, Thailand, and Vietnam, is driving a rise in infrastructure projects, thereby spurring demand for adhesives and sealants in the building and construction domain.

The break-up of the profile of primary participants in the C4ISR market:

By Company Type: Tier 1 – 46%, Tier 2 – 36%, and Tier 3 – 18%

By Designation: C Level – 21%, D Level – 23%, and Others – 56%

By Region: North America – 37%, Asia Pacific – 26%, Europe – 23%, the Middle East & Africa – 10%, and South America- 4%

The key companies profiled in this report are Henkel AG & Co. KGaA (Germany), H.B. Fuller Company (US), Sika AG (Switzerland), Arkema (Bostik) (France), and 3M (US).

Research Coverage:

The adhesives & sealants market has been segmented based on Adhesives Technology (Water-based Adhesives, Solvent-based Adhesives, Hot-melt adhesives, and Reactive & Others), Adhesive Application (Paper & Packaging, building & construction, Woodworking, Automotive & Transportation, Consumer & DIY, Leather & Footwear, Assembly, Electronics, Medical, and Others), Sealant Resin Type (Silicone, Polyurethane, Plastisol, Emulsion, Polysulfide, Butyl, and Others), Sealant Application (Building & Construction, Automotive & Transportation, Consumer, and Others), and by Region (Asia Pacific, Europe, North America, South America, and Middle East & Africa).

Reasons to Buy the Report

From an insight perspective, this research report focuses on various levels of analyses — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the market; high growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

? Analysis of key drivers (Growth of building & construction industry), restraints (Stringent environmental regulations in North America & Europe), opportunities (Investments in emerging markets of Asia Pacific), challenges (Shifting rules and changing standards)

? Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the market

? Market Development: Comprehensive information about lucrative emerging markets – the report analyzes the market for adhesives & sealants across regions

? Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the market

? Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the market.

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