

Engineering Adhesives Market Report by Product (Epoxy, Polyurethanes, Cyanoacrylates, Methacrylates, and Others), Application (Transportation, Construction, Electrical and Electronics, Energy, and Others), and Region 2024-2032

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Abstracts

The global engineering adhesives market size reached US\$ 20.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 32.3 Billion by 2032, exhibiting a growth rate (CAGR) of 4.9% during 2024-2032. The growing employment for potting and masking purposes in consumer electronics, increasing adoption in the manufacturing of helicopter blades, and rising demand for efficient adhesives represent some of the key factors driving the market.

Engineering adhesives are strong joining substances applied to various surfaces for binding them together. They comprise a liquid formulation that is necessary for easily spreading the adhesives over a surface and making intimate molecular contacts with the substrates. They are monomers when applied on substances and later polymerize to become a high molecular weight polymeric adhesive. Engineering adhesives are used to join a wide variety of materials, such as metals, plastics, rubber, fiber composites, wood, and paper products. These adhesives are capable of joining dissimilar materials to create lightweight yet strong and stiff structures. They offer an improved stress distribution in the joints and impart better dynamic fatigue resistance to the bonded components. They also provide design flexibility, which enables designers to implement novel design concepts by using numerous types of materials. They improve the appearance of the joined structure and offer a blemish-free and smooth texture. They also provide improved corrosion resistance compared to spot welding

methods. Furthermore, as they possess high optical transparency or opacity and fast-setting capabilities, the demand for engineering adhesives is increasing around the world.

Engineering Adhesives Market Trends:

At present, the rising demand for engineering adhesives, as they are easy to handle and heat and chemical resistant, represents one of the primary factors influencing the market positively. Besides this, the increasing adoption of engineering adhesives in the manufacturing of helicopter blades is propelling the growth of the market. In addition, the growing employment of engineering adhesives for potting and masking purposes in consumer electronics and other products with electrical properties is offering a favorable market outlook. Apart from this, the increasing utilization of engineering adhesives in the automotive industry to join various vehicular parts, improve vehicle dynamics, and stiffen the overall body structure of cars is contributing to the growth of the market. Additionally, the rising demand for efficient adhesives, such as polychloroprene rubber and urethane, in the manufacturing of commercial and military aircraft and maintaining elastomeric structures is supporting the market growth. Moreover, key market players are manufacturing various high-viscosity variants of engineering adhesives that are efficient in gasketing materials. Furthermore, the increasing demand for plywood for building and construction purposes and in furniture making is bolstering the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global engineering adhesives market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product and application.

Product Insights:

Epoxy

Polyurethanes

Cyanoacrylates

Methacrylates

Others

The report has provided a detailed breakup and analysis of the engineering adhesives market based on the product. This includes epoxy, polyurethanes, cyanoacrylates, methacrylates, and others. According to the report, epoxy represented the largest segment.

Application Insights:

Transportation

Construction

Electrical and Electronics

Energy

Others

A detailed breakup and analysis of the engineering adhesives market based on the application has also been provided in the report. This includes transportation, construction, electrical and electronics, energy, and others. According to the report, transportation accounted for the largest market share.

Regional Insights:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (the United Kingdom, Germany, France, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others) was the largest market for engineering adhesives. Some of the factors driving the Asia Pacific engineering adhesives market included the growing construction activities, rising production of automobiles, increasing demand for heavy machinery in industries, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global engineering adhesives market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include 3M Company, Arkema, Ashland, Dow Inc, Dymax Corporation, H.B. Fuller Company, Henkel AG & Co. KGaA, Huntsman Corporation, LORD Corporation (Parker Hannifin Corp), Permabond LLC, Sika AG, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. How big is the global engineering adhesives market?
2. What is the expected growth rate of the global engineering adhesives market during 2024-2032?
3. What are the key factors driving the global engineering adhesives market?
4. What has been the impact of COVID-19 on the global engineering adhesives market?
5. What is the breakup of the global engineering adhesives market based on the product?
6. What is the breakup of the global engineering adhesives market based on the application?

7. What are the key regions in the global engineering adhesives market?

8. Who are the key players/companies in the global engineering adhesives market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ENGINEERING ADHESIVES MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 Epoxy
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Polyurethanes
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Cyanoacrylates

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Methacrylates
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Transportation
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Construction
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Electrical and Electronics
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Energy
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends

- 8.2.1.2 Market Forecast
- 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 SWOT ANALYSIS

9.1 Overview

9.2 Strengths

9.3 Weaknesses

9.4 Opportunities

9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players
 - 13.3.1 3M Company
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.1.3 Financials
 - 13.3.1.4 SWOT Analysis
 - 13.3.2 Arkema
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
 - 13.3.2.3 Financials
 - 13.3.2.4 SWOT Analysis
 - 13.3.3 Ashland
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.3.3 Financials
 - 13.3.3.4 SWOT Analysis
 - 13.3.4 Dow Inc
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.4.3 Financials
 - 13.3.4.4 SWOT Analysis
 - 13.3.5 Dymax Corporation
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.6 H.B. Fuller Company
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.6.3 Financials
 - 13.3.6.4 SWOT Analysis
 - 13.3.7 Henkel AG & Co. KGaA
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.7.3 Financials
 - 13.3.7.4 SWOT Analysis
 - 13.3.8 Huntsman Corporation
 - 13.3.8.1 Company Overview

- 13.3.8.2 Product Portfolio
- 13.3.8.3 Financials
- 13.3.8.4 SWOT Analysis
- 13.3.9 LORD Corporation (Parker Hannifin Corp)
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
- 13.3.10 Permabond LLC
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio
- 13.3.11 Sika AG
 - 13.3.11.1 Company Overview
 - 13.3.11.2 Product Portfolio
 - 13.3.11.3 Financials

List Of Tables

LIST OF TABLES

Table 1: Global: Engineering Adhesives Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Engineering Adhesives Market Forecast: Breakup by Product (in Million US\$), 2024-2032

Table 3: Global: Engineering Adhesives Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 4: Global: Engineering Adhesives Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Engineering Adhesives Market: Competitive Structure

Table 6: Global: Engineering Adhesives Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Engineering Adhesives Market: Major Drivers and Challenges

Figure 2: Global: Engineering Adhesives Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Engineering Adhesives Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Engineering Adhesives Market: Breakup by Product (in %), 2023

Figure 5: Global: Engineering Adhesives Market: Breakup by Application (in %), 2023

Figure 6: Global: Engineering Adhesives Market: Breakup by Region (in %), 2023

Figure 7: Global: Engineering Adhesives (Epoxy) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Engineering Adhesives (Epoxy) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Engineering Adhesives (Polyurethanes) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Engineering Adhesives (Polyurethanes) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Engineering Adhesives (Cyanoacrylates) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Engineering Adhesives (Cyanoacrylates) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Engineering Adhesives (Methacrylates) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Engineering Adhesives (Methacrylates) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Engineering Adhesives (Other Products) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Engineering Adhesives (Other Products) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Engineering Adhesives (Transportation) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Engineering Adhesives (Transportation) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Engineering Adhesives (Construction) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Engineering Adhesives (Construction) Market Forecast: Sales Value

(in Million US\$), 2024-2032

Figure 21: Global: Engineering Adhesives (Electrical and Electronics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Engineering Adhesives (Electrical and Electronics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Engineering Adhesives (Energy) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Engineering Adhesives (Energy) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Engineering Adhesives (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Engineering Adhesives (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: North America: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: North America: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: United States: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: United States: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Canada: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Canada: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Asia-Pacific: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Asia-Pacific: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: China: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: China: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Japan: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Japan: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: India: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: India: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: South Korea: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: South Korea: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Australia: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Australia: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Indonesia: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Indonesia: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Others: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Others: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Europe: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Europe: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Germany: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Germany: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: France: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: France: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: United Kingdom: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: United Kingdom: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Italy: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Italy: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Spain: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 &

2023

Figure 60: Spain: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Russia: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Russia: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Others: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Others: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Latin America: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Latin America: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Brazil: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Brazil: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Mexico: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Mexico: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Others: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Others: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Middle East and Africa: Engineering Adhesives Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Middle East and Africa: Engineering Adhesives Market: Breakup by Country (in %), 2023

Figure 75: Middle East and Africa: Engineering Adhesives Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Global: Engineering Adhesives Industry: SWOT Analysis

Figure 77: Global: Engineering Adhesives Industry: Value Chain Analysis

Figure 78: Global: Engineering Adhesives Industry: Porter's Five Forces Analysis

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