

Construction Composites Market by Fiber Type (Carbon Fiber, Glass Fiber, and Others), Resin Type (Thermoplastic, Thermoset), End Use (Industrial, Commercial, Residential), and Region 2024-2032

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Abstracts

The global construction composites market size reached US\$ 5.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 8.1 Billion by 2032, exhibiting a growth rate (CAGR) of 4.12% during 2024-2032. Increasing usage of composites in construction applications, rehabilitation of old concrete structures, and high installation costs of composites represent some of the key factors driving the market.

Construction composites refer to a class of materials made of two or more constituent materials, which when combined, exhibit superior properties to the individual components. These materials are generally used in the construction due to their strength, durability, and resistance to harsh environmental conditions. The composites can be made up of various materials, including fibers, resins, and fillers, which are mixed in precise ratios to produce the desired properties. Some common types of construction composites include fiberglass, carbon fiber-reinforced polymer, and polymer concrete. These materials can be used in a variety of applications, including bridges, buildings, and pipelines, to improve the performance and durability of the structures. In recent years, construction composites have gained momentum as they offer lightweight, high-strength, and durable solutions for construction projects that require high-performance materials.

Construction Composites Market Trends:

One of the primary factors driving the market is the augmenting demand for lightweight and high-strength materials in the construction industry. Additionally, due to the high

strength-to-weight ratio construction composites are widely used for applications, where weight reduction is critical, such as automotive, aerospace, and wind energy industries, thus creating a positive market outlook. Other than this, the increasing environmental awareness and concerns for sustainability and eco-friendliness have encouraged individuals to opt for green and sustainable construction Composites, which are made from recycled materials and reduce waste and energy consumption. Additionally, composites are lightweight and more energy-efficient than traditional materials, resulting in reduced carbon emissions during the construction process. Besides this, the rising demand for corrosion-resistant materials in harsh environments, such as chemical and marine processing, is positively influencing the market growth. Apart from this, there has been a rise in civil construction which comprises of roads, airports, bridges, buildings, and related structures. As a result, construction composites are widely used for the rehabilitation of old concrete structures as they have better acoustic and thermal insulation properties. Furthermore, key players are extensively investing in research and development (R&D) activities in order to expand their consumer base. Moreover, technological advancements in the construction composites industry, such as better manufacturing procedures, development of new materials, and the introduction of new applications, are anticipated to create a positive market outlook in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global construction composites market, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on fiber type, resin type, and end use.

Fiber Type Insights:

Carbon Fiber

Glass Fiber

Others

The report has provided a detailed breakup and analysis of the construction composites market based on the fiber type. This includes carbon fiber, glass fiber, and others. According to the report, carbon fiber represented the largest segment.

Resin Type Insights:

Thermoplastic

Thermoset

A detailed breakup and analysis of the construction composites market based on the resin type has also been provided in the report. This includes thermoplastic and thermoset. According to the report, thermoset accounted for the largest market share.

End Use Insights:

- Industrial
- Commercial
- Residential

The report has provided a detailed breakup and analysis of the construction composites market based on the end use. This includes industrial, commercial, and residential. According to the report, industrial sector held the majority of the overall market share.

Regional Insights:

- North America
 - United States
 - Canada
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
- Russia
- Others
- Asia Pacific
 - China
 - Japan
 - India
 - South Korea
- Australia
- Indonesia
- 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); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific was the largest market for construction composites. Some of the factors driving the Asia Pacific construction composites market included significant growth in the construction industry, increasing infrastructure projects, including bridges and roads, several initiatives undertaken by government promoting green construction, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global construction composites 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 Aegion Corporation, Bedford Reinforced Plastics, Exel Composites Oyj, Fibergrate Composite Structures Incorporated (RPM International Inc.), Gurit Holding AG, Jiangsu Jiuding New Material Company Ltd., Owens Corning, Schock Bauteile GmbH, SGL Carbon SE, Strongwell Corporation, UPM Biocomposites, etc.

Key Questions Answered in This Report

1. How big is the global construction composites market?
2. What is the expected growth rate of the global construction composites market during 2024-2032?
3. What are the key factors driving the global construction composites market?
4. What has been the impact of COVID-19 on the global construction composites market?
5. What is the breakup of the global construction composites market based on the fiber type?
6. What is the breakup of the global construction composites market based on the resin type?
7. What is the breakup of the global construction composites market based on the end

use?

8. What are the key regions in the global construction composites market?

9. Who are the key players/companies in the global construction composites market?

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