

**Construction Composites Market By Resin Type (Polyester, Vinyl Ester, Polyethylene, Polypropylene, Epoxy, Others) , By Fiber Type (Carbon Fiber, Glass Fiber, Natural Fiber, Others) By Application (Residential, Commercial, Industrial) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

Market Report | 2024-10-01 | 480 pages | Allied Market Research

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**Report description:**

Construction Composites Market

The construction composites market was valued at \$21.8 billion in 2023 and is projected to reach \$36.7 billion by 2033, growing at a CAGR of 5.3% from 2024 to 2033.

A construction composite is a material with eminent attributes formed by combining two or more elements with distinguished chemical and physical properties. It consists of a matrix that acts as a base material and a reinforcement substance to enhance the properties. The key benefits of using composites in the construction industry are their lightweight nature, durability, high strength, and resistance to various environmental factors. Different types of construction composites include fiber-reinforced, wood, concrete, advanced polymers, and metal matrix.

The lightweight property & high strength-to-weight ratio of construction composites are the major drivers of the market as these attributes fuel their requirement in bridges and high-rise buildings. Furthermore, increase in ongoing infrastructural projects due to rapid surge in urbanization has elevated the need for construction composites, augmenting the market growth significantly. An emerging trend projected to gain prominence in the coming years is the development of recyclable composites to promote a circular economy. These construction composites are designed with structures that are easy to disassemble, enabling efficient recovery of constituent materials during the end of the product life cycle.

However, as the awareness regarding the usage and benefits of construction composites is confined, their demand remains limited, hampering the development of the market. Moreover, the enhancement of conventional materials such as treated steel and ultra-high-performance concrete presents stringent competition to construction composites, restraining the market growth notably. On the contrary, the development of bio-composites with biodegradable matrices and high-strength natural fibers is

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poised to present remunerative opportunities for the market owing to rise in adoption of eco-friendly materials & practices in the construction industry. The 2023 Global Status Report for Buildings and Construction by the UN Environment Programme states that in 2022 buildings were responsible for approximately 34% of global energy demand and 37% of carbon emissions. As an effort to reduce these figures, the adoption of construction composites is projected to witness a considerable surge.[]

#### Segment Review[]

The construction composites market is segmented into resin type, fiber type, application, and region. On the basis of resin type, the market is divided into polyester, vinyl ester, polyethylene, polypropylene, epoxy, and others. Depending on fiber type, it is classified into carbon fiber, glass fiber, natural fiber, and others. As per application, it is categorized into residential, commercial, and industrial. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.[]

#### Key Findings[]

On the basis of resin type, the polyester segment is expected to dominate the market during the forecast period.[]

Depending on fiber type, the carbon fiber segment is projected to acquire a high stake in the market by 2033.[]

As per application, the commercial segment is anticipated to hold a high share of the market throughout the forecast period.[]

Region wise, Asia-Pacific is predicted to be the highest revenue generator by 2033.[]

#### Competition Analysis[]

The major players in the global construction composites market include Azuria, Exel Composites, Gurit Services AG, Hexcel Corporation, Kordsa, TORAY INDUSTRIES, INC., Mitsubishi Chemical Group Corporation, NIPPON STEEL CORPORATION, Owens Corning, SGL Carbon, and Teijin Limited. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.[]

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- Upcoming/New Entrant by Regions
- Technology Trend Analysis
- Market share analysis of players by products/segments
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- Strategic Recommendations
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- Average Selling Price Analysis / Price Point Analysis
- Criss-cross segment analysis- market size and forecast
- Expanded list for Company Profiles
- Historic market data
- Import Export Analysis/Data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)
- List of customers/consumers/raw material suppliers- value chain analysis
- Market share analysis of players at global/region/country level
- SWOT Analysis
- Volume Market Size and Forecast

#### Key Market Segments

##### By Resin Type

- Polyester
- Vinyl Ester
- Polyethylene
- Polypropylene
- Epoxy
- Others

##### By Fiber Type

- Carbon Fiber
- Glass Fiber
- Natural Fiber
- Others

##### By Application

- Residential
- Commercial
- Industrial

##### By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- France
- Germany
- Italy
- Spain
- UK
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea

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- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- South Africa
- Saudi Arabia
- Rest of LAMEA
- Key Market Players
- Azuria
- Exel Composites
- Gurit Services AG
- Hexcel Corporation
- Kordsa
- TORAY INDUSTRIES, INC.
- Mitsubishi Chemical Group Corporation
- NIPPON STEEL CORPORATION
- Owens Corning
- SGL Carbon
- Teijin Limited

## **Table of Contents:**

### CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
  - 1.4.1. Primary Research
  - 1.4.2. Secondary Research
  - 1.4.3. Analyst Tools and Models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

### CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
  - 3.2.1. Top Investment Pockets
  - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
  - 3.3.1. Bargaining Power of Suppliers
  - 3.3.2. Threat of New Entrants
  - 3.3.3. Threat of Substitutes
  - 3.3.4. Competitive Rivalry
  - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
  - 3.4.1. Drivers
  - 3.4.2. Restraints
  - 3.4.3. Opportunities

### CHAPTER 4: CONSTRUCTION COMPOSITES MARKET, BY RESIN TYPE

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- 4.1. Market Overview
  - 4.1.1 Market Size and Forecast, By Resin Type
- 4.2. Polyester
  - 4.2.1. Key Market Trends, Growth Factors and Opportunities
  - 4.2.2. Market Size and Forecast, By Region
  - 4.2.3. Market Share Analysis, By Country
- 4.3. Vinyl Ester
  - 4.3.1. Key Market Trends, Growth Factors and Opportunities
  - 4.3.2. Market Size and Forecast, By Region
  - 4.3.3. Market Share Analysis, By Country
- 4.4. Polyethylene
  - 4.4.1. Key Market Trends, Growth Factors and Opportunities
  - 4.4.2. Market Size and Forecast, By Region
  - 4.4.3. Market Share Analysis, By Country
- 4.5. Polypropylene
  - 4.5.1. Key Market Trends, Growth Factors and Opportunities
  - 4.5.2. Market Size and Forecast, By Region
  - 4.5.3. Market Share Analysis, By Country
- 4.6. Epoxy
  - 4.6.1. Key Market Trends, Growth Factors and Opportunities
  - 4.6.2. Market Size and Forecast, By Region
  - 4.6.3. Market Share Analysis, By Country
- 4.7. Others
  - 4.7.1. Key Market Trends, Growth Factors and Opportunities
  - 4.7.2. Market Size and Forecast, By Region
  - 4.7.3. Market Share Analysis, By Country

CHAPTER 5: CONSTRUCTION COMPOSITES MARKET, BY FIBER TYPE

- 5.1. Market Overview
  - 5.1.1 Market Size and Forecast, By Fiber Type
- 5.2. Carbon Fiber
  - 5.2.1. Key Market Trends, Growth Factors and Opportunities
  - 5.2.2. Market Size and Forecast, By Region
  - 5.2.3. Market Share Analysis, By Country
- 5.3. Glass Fiber
  - 5.3.1. Key Market Trends, Growth Factors and Opportunities
  - 5.3.2. Market Size and Forecast, By Region
  - 5.3.3. Market Share Analysis, By Country
- 5.4. Natural Fiber
  - 5.4.1. Key Market Trends, Growth Factors and Opportunities
  - 5.4.2. Market Size and Forecast, By Region
  - 5.4.3. Market Share Analysis, By Country
- 5.5. Others
  - 5.5.1. Key Market Trends, Growth Factors and Opportunities
  - 5.5.2. Market Size and Forecast, By Region
  - 5.5.3. Market Share Analysis, By Country

CHAPTER 6: CONSTRUCTION COMPOSITES MARKET, BY APPLICATION

- 6.1. Market Overview

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- 6.1.1 Market Size and Forecast, By Application
  - 6.2. Residential
    - 6.2.1. Key Market Trends, Growth Factors and Opportunities
    - 6.2.2. Market Size and Forecast, By Region
    - 6.2.3. Market Share Analysis, By Country
  - 6.3. Commercial
    - 6.3.1. Key Market Trends, Growth Factors and Opportunities
    - 6.3.2. Market Size and Forecast, By Region
    - 6.3.3. Market Share Analysis, By Country
  - 6.4. Industrial
    - 6.4.1. Key Market Trends, Growth Factors and Opportunities
    - 6.4.2. Market Size and Forecast, By Region
    - 6.4.3. Market Share Analysis, By Country
- CHAPTER 7: CONSTRUCTION COMPOSITES MARKET, BY REGION**
- 7.1. Market Overview
    - 7.1.1 Market Size and Forecast, By Region
  - 7.2. North America
    - 7.2.1. Key Market Trends and Opportunities
    - 7.2.2. Market Size and Forecast, By Resin Type
    - 7.2.3. Market Size and Forecast, By Fiber Type
    - 7.2.4. Market Size and Forecast, By Application
    - 7.2.5. Market Size and Forecast, By Country
    - 7.2.6. U.S. Construction Composites Market
      - 7.2.6.1. Market Size and Forecast, By Resin Type
      - 7.2.6.2. Market Size and Forecast, By Fiber Type
      - 7.2.6.3. Market Size and Forecast, By Application
    - 7.2.7. Canada Construction Composites Market
      - 7.2.7.1. Market Size and Forecast, By Resin Type
      - 7.2.7.2. Market Size and Forecast, By Fiber Type
      - 7.2.7.3. Market Size and Forecast, By Application
    - 7.2.8. Mexico Construction Composites Market
      - 7.2.8.1. Market Size and Forecast, By Resin Type
      - 7.2.8.2. Market Size and Forecast, By Fiber Type
      - 7.2.8.3. Market Size and Forecast, By Application
  - 7.3. Europe
    - 7.3.1. Key Market Trends and Opportunities
    - 7.3.2. Market Size and Forecast, By Resin Type
    - 7.3.3. Market Size and Forecast, By Fiber Type
    - 7.3.4. Market Size and Forecast, By Application
    - 7.3.5. Market Size and Forecast, By Country
    - 7.3.6. France Construction Composites Market
      - 7.3.6.1. Market Size and Forecast, By Resin Type
      - 7.3.6.2. Market Size and Forecast, By Fiber Type
      - 7.3.6.3. Market Size and Forecast, By Application
    - 7.3.7. Germany Construction Composites Market
      - 7.3.7.1. Market Size and Forecast, By Resin Type
      - 7.3.7.2. Market Size and Forecast, By Fiber Type

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- 7.3.7.3. Market Size and Forecast, By Application
- 7.3.8. Italy Construction Composites Market
  - 7.3.8.1. Market Size and Forecast, By Resin Type
  - 7.3.8.2. Market Size and Forecast, By Fiber Type
  - 7.3.8.3. Market Size and Forecast, By Application
- 7.3.9. Spain Construction Composites Market
  - 7.3.9.1. Market Size and Forecast, By Resin Type
  - 7.3.9.2. Market Size and Forecast, By Fiber Type
  - 7.3.9.3. Market Size and Forecast, By Application
- 7.3.10. UK Construction Composites Market
  - 7.3.10.1. Market Size and Forecast, By Resin Type
  - 7.3.10.2. Market Size and Forecast, By Fiber Type
  - 7.3.10.3. Market Size and Forecast, By Application
- 7.3.11. Rest Of Europe Construction Composites Market
  - 7.3.11.1. Market Size and Forecast, By Resin Type
  - 7.3.11.2. Market Size and Forecast, By Fiber Type
  - 7.3.11.3. Market Size and Forecast, By Application
- 7.4. Asia-Pacific
  - 7.4.1. Key Market Trends and Opportunities
  - 7.4.2. Market Size and Forecast, By Resin Type
  - 7.4.3. Market Size and Forecast, By Fiber Type
  - 7.4.4. Market Size and Forecast, By Application
  - 7.4.5. Market Size and Forecast, By Country
  - 7.4.6. China Construction Composites Market
    - 7.4.6.1. Market Size and Forecast, By Resin Type
    - 7.4.6.2. Market Size and Forecast, By Fiber Type
    - 7.4.6.3. Market Size and Forecast, By Application
  - 7.4.7. Japan Construction Composites Market
    - 7.4.7.1. Market Size and Forecast, By Resin Type
    - 7.4.7.2. Market Size and Forecast, By Fiber Type
    - 7.4.7.3. Market Size and Forecast, By Application
  - 7.4.8. India Construction Composites Market
    - 7.4.8.1. Market Size and Forecast, By Resin Type
    - 7.4.8.2. Market Size and Forecast, By Fiber Type
    - 7.4.8.3. Market Size and Forecast, By Application
  - 7.4.9. South Korea Construction Composites Market
    - 7.4.9.1. Market Size and Forecast, By Resin Type
    - 7.4.9.2. Market Size and Forecast, By Fiber Type
    - 7.4.9.3. Market Size and Forecast, By Application
  - 7.4.10. Australia Construction Composites Market
    - 7.4.10.1. Market Size and Forecast, By Resin Type
    - 7.4.10.2. Market Size and Forecast, By Fiber Type
    - 7.4.10.3. Market Size and Forecast, By Application
  - 7.4.11. Rest of Asia-Pacific Construction Composites Market
    - 7.4.11.1. Market Size and Forecast, By Resin Type
    - 7.4.11.2. Market Size and Forecast, By Fiber Type
    - 7.4.11.3. Market Size and Forecast, By Application

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## 7.5. LAMEA

### 7.5.1. Key Market Trends and Opportunities

### 7.5.2. Market Size and Forecast, By Resin Type

### 7.5.3. Market Size and Forecast, By Fiber Type

### 7.5.4. Market Size and Forecast, By Application

### 7.5.5. Market Size and Forecast, By Country

### 7.5.6. Brazil Construction Composites Market

#### 7.5.6.1. Market Size and Forecast, By Resin Type

#### 7.5.6.2. Market Size and Forecast, By Fiber Type

#### 7.5.6.3. Market Size and Forecast, By Application

### 7.5.7. South Africa Construction Composites Market

#### 7.5.7.1. Market Size and Forecast, By Resin Type

#### 7.5.7.2. Market Size and Forecast, By Fiber Type

#### 7.5.7.3. Market Size and Forecast, By Application

### 7.5.8. Saudi Arabia Construction Composites Market

#### 7.5.8.1. Market Size and Forecast, By Resin Type

#### 7.5.8.2. Market Size and Forecast, By Fiber Type

#### 7.5.8.3. Market Size and Forecast, By Application

### 7.5.9. Rest of LAMEA Construction Composites Market

#### 7.5.9.1. Market Size and Forecast, By Resin Type

#### 7.5.9.2. Market Size and Forecast, By Fiber Type

#### 7.5.9.3. Market Size and Forecast, By Application

## CHAPTER 8: COMPETITIVE LANDSCAPE

### 8.1. Introduction

### 8.2. Top Winning Strategies

### 8.3. Product Mapping Of Top 10 Player

### 8.4. Competitive Dashboard

### 8.5. Competitive Heatmap

### 8.6. Top Player Positioning, 2023

## CHAPTER 9: COMPANY PROFILES

### 9.1. Azuria

#### 9.1.1. Company Overview

#### 9.1.2. Key Executives

#### 9.1.3. Company Snapshot

#### 9.1.4. Operating Business Segments

#### 9.1.5. Product Portfolio

#### 9.1.6. Business Performance

#### 9.1.7. Key Strategic Moves and Developments

### 9.2. Exel Composites

#### 9.2.1. Company Overview

#### 9.2.2. Key Executives

#### 9.2.3. Company Snapshot

#### 9.2.4. Operating Business Segments

#### 9.2.5. Product Portfolio

#### 9.2.6. Business Performance

#### 9.2.7. Key Strategic Moves and Developments

### 9.3. Gurit Services AG

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- 9.3.1. Company Overview
- 9.3.2. Key Executives
- 9.3.3. Company Snapshot
- 9.3.4. Operating Business Segments
- 9.3.5. Product Portfolio
- 9.3.6. Business Performance
- 9.3.7. Key Strategic Moves and Developments
- 9.4. Hexcel Corporation
  - 9.4.1. Company Overview
  - 9.4.2. Key Executives
  - 9.4.3. Company Snapshot
  - 9.4.4. Operating Business Segments
  - 9.4.5. Product Portfolio
  - 9.4.6. Business Performance
  - 9.4.7. Key Strategic Moves and Developments
- 9.5. Kordsa
  - 9.5.1. Company Overview
  - 9.5.2. Key Executives
  - 9.5.3. Company Snapshot
  - 9.5.4. Operating Business Segments
  - 9.5.5. Product Portfolio
  - 9.5.6. Business Performance
  - 9.5.7. Key Strategic Moves and Developments
- 9.6. TORAY INDUSTRIES, INC.
  - 9.6.1. Company Overview
  - 9.6.2. Key Executives
  - 9.6.3. Company Snapshot
  - 9.6.4. Operating Business Segments
  - 9.6.5. Product Portfolio
  - 9.6.6. Business Performance
  - 9.6.7. Key Strategic Moves and Developments
- 9.7. Mitsubishi Chemical Group Corporation
  - 9.7.1. Company Overview
  - 9.7.2. Key Executives
  - 9.7.3. Company Snapshot
  - 9.7.4. Operating Business Segments
  - 9.7.5. Product Portfolio
  - 9.7.6. Business Performance
  - 9.7.7. Key Strategic Moves and Developments
- 9.8. NIPPON STEEL CORPORATION
  - 9.8.1. Company Overview
  - 9.8.2. Key Executives
  - 9.8.3. Company Snapshot
  - 9.8.4. Operating Business Segments
  - 9.8.5. Product Portfolio
  - 9.8.6. Business Performance
  - 9.8.7. Key Strategic Moves and Developments

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- 9.9. Owens Corning
  - 9.9.1. Company Overview
  - 9.9.2. Key Executives
  - 9.9.3. Company Snapshot
  - 9.9.4. Operating Business Segments
  - 9.9.5. Product Portfolio
  - 9.9.6. Business Performance
  - 9.9.7. Key Strategic Moves and Developments
- 9.10. SGL Carbon
  - 9.10.1. Company Overview
  - 9.10.2. Key Executives
  - 9.10.3. Company Snapshot
  - 9.10.4. Operating Business Segments
  - 9.10.5. Product Portfolio
  - 9.10.6. Business Performance
  - 9.10.7. Key Strategic Moves and Developments
- 9.11. Teijin Limited
  - 9.11.1. Company Overview
  - 9.11.2. Key Executives
  - 9.11.3. Company Snapshot
  - 9.11.4. Operating Business Segments
  - 9.11.5. Product Portfolio
  - 9.11.6. Business Performance
  - 9.11.7. Key Strategic Moves and Developments

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