

Carbon Fiber Construction Repair Market by Product Type (Rebar, Fabric, Plate), Application (Residential & Commercial Building, Infrastructure, Industrial), and Region (North America, Europe, APAC, Latin America, MEA) - Global Forecast to 2028

<https://marketpublishers.com/r/C6519F02B258EN.html>

Date: November 2023

Pages: 190

Price: US\$ 4,950.00 (Single User License)

ID: C6519F02B258EN

Abstracts

The carbon fiber construction repair market is projected to grow from USD 119 million in 2023 to USD 192 million by 2028, at a CAGR of 10.0% during the forecast period. Carbon fiber rebars, mesh, carbon fabric, and other products are widely used to increase the strength of old structures, such as bridges, water structures, historical structures, highways, and transportation structures across the world. Carbon fiber composite material has several advantages, including faster, easier, and less expensive installation and repair of structures because smaller cranes are required while working. They enable the delivery of large sections to construction sites, which reduces repair and assembly time and cost.

“In terms of value, carbon fiber plates accounted for the second largest share of the overall carbon fiber construction repair market.”

Carbon fiber composite plates have advantages over other conventional materials in terms of their low weight, corrosion resistance, and high tensile strength. Carbon plates are unidirectional strips of carbon fiber specifically pultruded and designed with a high-volume fraction of the fiber, which gives them high strength. Carbon plates are widely used in the repairing of industrial structures, commercial structures, bridges, and others. These plates also help to increase the strength of beams, walls, slabs, pipes, and pier caps during the repairing process.

“During the forecast period, the carbon fiber construction repair market in North

America region is projected to register the second highest market share.”

North America is one of the major markets for carbon fiber construction repair in the world. The market in this region is dominated by the US and Canada. The major players in carbon fiber construction repair in North America give each other tough competition and constantly innovate and develop new technology to produce high quality, high strength, and lightweight construction composites. These players adopt various growth strategies like expansions and new contracts & agreements to increase their market share and cater to the increasing demand. The usage of carbon fiber construction repair composites is high in the North American region as government agencies have identified the advantage of carbon fiber construction composites over traditional alternatives like steel rebars or mesh or plates.

This study has been validated through primary interviews with industry experts globally. These primary sources have been divided into the following three categories:

By Company Type- Tier 1- 40%, Tier 2- 33%, and Tier 3- 27%

By Designation- C Level- 50%, Director Level- 30%, and Others- 20%

By Region- North America- 15%, Europe- 50%, Asia Pacific (APAC) - 20%, Middle East & Africa -10%, Latin America-5%

The report provides a comprehensive analysis of company profiles:

Prominent companies include SIKA AG (Switzerland), Mapei SpA (Italy), Fosroc Inc. (UAE), Master Builders Solutions (Germany), Critica Infrastructure (US), AB-SCHOMBURG Yap? Kimyasallar? A.?. (Turkey), Dowaksa (UAE), Dextra Group (Thailand), Rhino Carbon Fiber Reinforcement Products (US), Mitsubishi Chemical Corporation (Japan), Toray Industries Inc. (Japan), Simpson Strong-Tie Company Inc. (US), Antop Global Technology Co., Ltd. (China), Sireg Geotech S.r.l. (Italy), and Chomarat Group (US), among others.

Research Coverage

This research report categorizes the Carbon Fiber Construction Repair Market by Product Type (Rebar, Fabric, Plate, Others), Application (Residential and commercial Building, Infrastructure, Industrial), and region (North America, Europe, Asia Pacific, the

Middle East & Africa, and Latin America). The scope of the report includes detailed information about the major factors influencing the growth of the carbon fiber construction repair market, such as drivers, restraints, challenges, and opportunities. A thorough examination of the key industry players has been conducted in order to provide insights into their business overview, solutions, and services, key strategies, contracts, partnerships, and agreements. New product and service launches, mergers and acquisitions, and recent developments in the carbon fiber construction repair market are all covered. This report includes a competitive analysis of upcoming startups in the carbon fiber construction repair market ecosystem.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall carbon fiber construction repair market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (High demand from construction industry due to superior performance properties, high growth in construction sector), restraints (lack of experienced professionals related to carbon fiber construction repair products in emerging markets, high cost of carbon fiber), opportunities (development of low-cost carbon fibers to reduce cost of construction composites, growing demand from emerging markets), and challenges (development of technology to reduce cycle time, availability of low-cost substitutes and lower adoption and acceptance of construction composites) influencing the growth of the carbon fiber construction repair market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the carbon fiber construction repair market

Market Development: Comprehensive information about lucrative markets – the report analyses the carbon fiber construction repair market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the carbon fiber construction repair market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like SIKA AG (Switzerland), Mapei SpA (Italy), Fosroc Inc. (UAE), Master Builders Solutions (Germany), Critica Infrastructure (US), AB-SCHOMBURG Yap? Kimyasallar? A.?. (Turkey), Dowaksa (UAE), Dextra Group (Thailand), Rhino Carbon Fiber Reinforcement Products (US), Mitsubishi Chemical Corporation (Japan), Toray Industries Inc. (Japan), Simpson Strong-Tie Company Inc. (US), Antop Global Technology Co., Ltd. (China), Sireg Geotech S.r.l. (Italy), and Chomarat Group (US), among others in the carbon fiber construction repair market.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 INCLUSIONS AND EXCLUSIONS

1.4 MARKET SCOPE

FIGURE 1 CARBON FIBER CONSTRUCTION REPAIR MARKET SEGMENTATION

1.4.1 REGIONS COVERED

1.4.2 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

1.6 UNITS CONSIDERED

1.7 LIMITATIONS

1.8 STAKEHOLDERS

1.9 IMPACT OF RECESSION

2 RESEARCH METHODOLOGY

2.1 RESEARCH APPROACH

FIGURE 2 CARBON FIBER CONSTRUCTION REPAIR MARKET: RESEARCH DESIGN

2.2 BASE NUMBER CALCULATION

2.2.1 SUPPLY-SIDE APPROACH

2.2.2 DEMAND-SIDE APPROACH

2.3 IMPACT OF RECESSION

FIGURE 3 RECESSION IMPACT ON CARBON FIBER CONSTRUCTION REPAIR MARKET

2.4 FORECAST NUMBER CALCULATION

2.5 RESEARCH DATA

2.5.1 SECONDARY DATA

2.5.1.1 Key data from secondary sources

2.5.2 PRIMARY DATA

2.5.2.1 Key data from primary sources

2.5.2.2 Key companies participating in primary interviews

2.5.2.3 Breakdown of primary interviews

2.5.2.4 Key industry insights

2.6 MARKET SIZE ESTIMATION

2.6.1 BOTTOM-UP APPROACH

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.6.2 TOP-DOWN APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.7 DATA TRIANGULATION

FIGURE 6 CARBON FIBER CONSTRUCTION REPAIR MARKET: DATA TRIANGULATION

2.8 RESEARCH ASSUMPTIONS

2.9 MARKET GROWTH RATE ASSUMPTIONS/GROWTH FORECAST

2.10 RESEARCH LIMITATIONS

2.11 RISKS ASSOCIATED WITH CARBON FIBER CONSTRUCTION REPAIR MARKET STUDY

3 EXECUTIVE SUMMARY

FIGURE 7 FABRIC TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD

FIGURE 8 RESIDENTIAL & COMMERCIAL BUILDINGS TO BE FASTEST-GROWING APPLICATION OF CARBON FIBER CONSTRUCTION REPAIR

FIGURE 9 US TO BE LARGEST MARKET FOR CARBON FIBER CONSTRUCTION REPAIR

FIGURE 10 ASIA PACIFIC TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN CARBON FIBER CONSTRUCTION REPAIR MARKET

FIGURE 11 HIGH DEMAND OF LIGHTWEIGHT MATERIALS FOR CONSTRUCTION REPAIR ACTIVITIES TO DRIVE MARKET

4.2 CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE

FIGURE 12 CARBON FIBER FABRIC ACCOUNTED FOR LARGEST MARKET SHARE IN 2022

4.3 CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION AND REGION

FIGURE 13 EUROPE TO BE LARGEST MARKET FOR CARBON FIBER CONSTRUCTION REPAIR

4.4 CARBON FIBER CONSTRUCTION REPAIR MARKET, BY KEY COUNTRIES

FIGURE 14 CHINA TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 15 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN CARBON FIBER CONSTRUCTION REPAIR MARKET

5.2.1 DRIVERS

5.2.1.1 High demand for superior-performance materials

5.2.1.2 High growth of construction sector

5.2.2 RESTRAINTS

5.2.2.1 Lack of experienced professionals in emerging markets

5.2.2.2 High cost of carbon fiber

5.2.3 OPPORTUNITIES

5.2.3.1 Development of low-cost carbon fibers

5.2.3.2 Growing demand from emerging markets

TABLE 1 GROWTH IN GLOBAL CONSTRUCTION OUTPUT, BY COUNTRY (2019–2030)

5.2.4 CHALLENGES

5.2.4.1 Availability of low-cost substitutes and lower acceptance of construction composites

5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 16 CARBON FIBER CONSTRUCTION REPAIR MARKET: PORTER'S FIVE FORCES ANALYSIS

5.3.1 BARGAINING POWER OF BUYERS

5.3.2 BARGAINING POWER OF SUPPLIERS

5.3.3 THREAT OF NEW ENTRANTS

5.3.4 THREAT OF SUBSTITUTES

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

TABLE 2 CARBON FIBER CONSTRUCTION REPAIR MARKET: PORTER'S FIVE FORCES ANALYSIS

5.4 SUPPLY CHAIN ANALYSIS

TABLE 3 CARBON FIBER CONSTRUCTION REPAIR MARKET: ROLE IN ECOSYSTEM

5.5 PRICING ANALYSIS

5.5.1 AVERAGE SELLING PRICE OF KEY PLAYERS, BY APPLICATION

FIGURE 17 AVERAGE SELLING PRICES OF KEY PLAYERS IN TOP APPLICATIONS (USD/KG)

TABLE 4 AVERAGE SELLING PRICES OF KEY PLAYERS, BY APPLICATION (USD/KG)

- 5.5.2 AVERAGE SELLING PRICE, BY PRODUCT TYPE
- FIGURE 18 AVERAGE SELLING PRICE, BY PRODUCT TYPE (USD/KG)
- 5.5.3 AVERAGE SELLING PRICE, BY APPLICATION
- FIGURE 19 AVERAGE SELLING PRICES, APPLICATION (USD/KG)
- 5.6 AVERAGE SELLING PRICE, BY REGION
- TABLE 5 AVERAGE SELLING PRICE TREND IN CARBON FIBER CONSTRUCTION REPAIR MARKET, BY REGION
- 5.7 KEY STAKEHOLDERS & BUYING CRITERIA
 - 5.7.1 KEY STAKEHOLDERS IN BUYING PROCESS
 - FIGURE 20 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS IN TOP 3 APPLICATIONS
 - TABLE 6 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS
 - 5.7.2 BUYING CRITERIA
 - FIGURE 21 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS
 - TABLE 7 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS
- 5.8 TECHNOLOGY ANALYSIS
- 5.9 ECOSYSTEM ANALYSIS
- FIGURE 22 CARBON FIBER CONSTRUCTION REPAIR MARKET: ECOSYSTEM
- 5.10 VALUE CHAIN ANALYSIS
- FIGURE 23 VALUE CHAIN ANALYSIS: CARBON FIBER CONSTRUCTION REPAIR MARKET
 - 5.10.1 RAW MATERIAL AND LABOR
 - 5.10.2 CARBON FIBER REPAIR PRODUCT MANUFACTURERS
 - 5.10.3 CONSTRUCTION REPAIR SERVICE PROVIDERS
- 5.11 CASE STUDY ANALYSIS
- 5.12 TRENDS AND DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES
- 5.13 TRADE ANALYSIS
 - 5.13.1 TOP CARBON FIBER EXPORTING COUNTRIES
 - TABLE 8 TOP 25 CARBON FIBER EXPORTING COUNTRIES IN 2022
 - 5.13.2 TOP CARBON FIBER IMPORTING COUNTRIES
 - TABLE 9 TOP 25 CARBON FIBER IMPORTING COUNTRIES IN 2022
 - 5.13.3 KEY MARKET FOR IMPORT/EXPORT
 - 5.13.3.1 US
 - 5.13.3.2 Germany
 - 5.13.3.3 France
 - 5.13.3.4 UK
 - 5.13.3.5 China
- 5.14 TARIFF AND REGULATORY LANDSCAPE

5.14.1 STANDARDS IN CARBON FIBER CONSTRUCTION REPAIR MARKET
TABLE 10 CURRENT STANDARD CODES FOR CARBON FIBER CONSTRUCTION REPAIR MARKET

5.14.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 11 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 REST OF WORLD: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.15 KEY CONFERENCES & EVENTS

TABLE 15 DETAILED LIST OF CONFERENCES & EVENTS RELATED TO CARBON FIBER CONSTRUCTION REPAIR MARKET, 2023–2024

5.16 PATENT ANALYSIS

5.16.1 INTRODUCTION

5.16.2 METHODOLOGY

5.16.3 DOCUMENT TYPE

TABLE 16 CARBON FIBER CONSTRUCTION REPAIR MARKET: GLOBAL PATENTS

FIGURE 24 GLOBAL PATENT ANALYSIS, BY DOCUMENT TYPE

FIGURE 25 GLOBAL PATENT PUBLICATION TREND: 2017–2022

5.16.4 INSIGHTS

5.16.5 LEGAL STATUS OF PATENTS

FIGURE 26 CARBON FIBER CONSTRUCTION REPAIR MARKET: LEGAL STATUS OF PATENTS

5.16.6 JURISDICTION ANALYSIS

FIGURE 27 GLOBAL JURISDICTION ANALYSIS

5.16.7 TOP APPLICANTS' ANALYSIS

FIGURE 28 REGISTAD & ASS INC. REGISTERED HIGHEST NUMBER OF PATENTS

5.16.8 PATENTS BY REGISTAD & ASS INC.

5.16.9 PATENTS BY STATE GRID CORP. CHINA

5.16.10 PATENTS BY UNIVERSITY OF XIAN ARCHITECTURE & TECH

6 CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE

6.1 INTRODUCTION

FIGURE 29 CARBON FIBER FABRIC TO REGISTER HIGHEST CAGR DURING

FORECAST PERIOD

TABLE 17 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY PRODUCT TYPE, 2021–2028 (USD MILLION)

TABLE 18 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY PRODUCT TYPE, 2021–2028 (KILOTON)

6.2 REBAR

6.2.1 NEED FOR HIGH-STRENGTH MATERIALS TO SUPPORT OLD STRUCTURES TO DRIVE DEMAND

FIGURE 30 EUROPE TO BE LARGEST MARKET FOR CARBON FIBER REBAR CONSTRUCTION REPAIR

6.2.2 CARBON FIBER REBAR CONSTRUCTION REPAIR MARKET, BY REGION

TABLE 19 CARBON FIBER REBAR CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (USD MILLION)

TABLE 20 CARBON FIBER REBAR CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (KILOTON)

TABLE 21 CARBON FIBER REBAR CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 22 CARBON FIBER REBAR CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

6.3 FABRIC

6.3.1 CARBON FIBER FABRICS WIDELY USED FOR THEIR FLEXIBILITY, HIGH STRENGTH, HIGH MODULUS, AND LONG SHELF LIFE

FIGURE 31 ASIA PACIFIC TO REGISTER HIGHEST CAGR IN CARBON FIBER FABRIC CONSTRUCTION REPAIR MARKET

6.3.2 CARBON FIBER FABRIC CONSTRUCTION REPAIR MARKET, BY REGION

TABLE 23 CARBON FIBER FABRIC CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (USD MILLION)

TABLE 24 CARBON FIBER FABRIC CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (KILOTON)

TABLE 25 CARBON FIBER FABRIC CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 26 CARBON FIBER REBAR CONSTRUCTION FABRIC MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

6.4 PLATE

6.4.1 OFFERS LOW WEIGHT, CORROSION RESISTANT, AND HIGH TENSILE STRENGTH

FIGURE 32 EUROPE TO BE LARGEST CARBON FIBER PLATE CONSTRUCTION REPAIR MARKET

6.4.2 CARBON FIBER PLATE CONSTRUCTION REPAIR MARKET, BY REGION

TABLE 27 CARBON FIBER PLATE CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (USD MILLION)

TABLE 28 CARBON FIBER PLATE CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (KILOTON)

TABLE 29 CARBON FIBER PLATE CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 30 CARBON FIBER PLATE CONSTRUCTION PLATE MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

6.5 OTHERS

6.5.1 OTHERS CARBON FIBER CONSTRUCTION REPAIR MARKET, BY REGION

TABLE 31 OTHERS CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (USD MILLION)

TABLE 32 OTHERS CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (KILOTON)

TABLE 33 OTHERS CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 34 OTHERS CARBON FIBER REBAR CONSTRUCTION MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

7 CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION

7.1 INTRODUCTION

FIGURE 33 RESIDENTIAL & COMMERCIAL BUILDINGS TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 35 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 36 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

7.2 RESIDENTIAL & COMMERCIAL BUILDINGS

7.2.1 RESIDENTIAL & COMMERCIAL BUILDINGS SEGMENT TO BE FASTEST-GROWING APPLICATION DURING FORECAST PERIOD

FIGURE 34 EUROPE TO BE LARGEST CONSUMER OF CARBON FIBER CONSTRUCTION REPAIR IN RESIDENTIAL & COMMERCIAL BUILDINGS

7.2.2 CARBON FIBER CONSTRUCTION REPAIR MARKET IN RESIDENTIAL & COMMERCIAL BUILDINGS, BY REGION

TABLE 37 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE IN RESIDENTIAL & COMMERCIAL BUILDINGS, BY REGION, 2021–2028 (USD MILLION)

TABLE 38 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE IN

RESIDENTIAL & COMMERCIAL BUILDINGS, BY REGION, 2021–2028 (KILOTON)

7.3 INFRASTRUCTURE

7.3.1 CARBON FIBER REBARS, MESH, AND FABRICS INCREASINGLY USED TO IMPROVE STRENGTH OF BRIDGES

FIGURE 35 EUROPE TO DOMINATE CARBON FIBER CONSTRUCTION REPAIR MARKET IN INFRASTRUCTURE SEGMENT

7.3.2 CARBON FIBER CONSTRUCTION REPAIR MARKET IN INFRASTRUCTURE, BY REGION

TABLE 39 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE IN INFRASTRUCTURE, BY REGION, 2021–2028 (USD MILLION)

TABLE 40 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE IN INFRASTRUCTURE, BY REGION, 2021–2028 (KILOTON)

7.4 INDUSTRIAL

7.4.1 ASIA PACIFIC TO WITNESS HIGHEST GROWTH OF CARBON FIBER CONSTRUCTION REPAIR MARKET IN INDUSTRIAL SEGMENT

FIGURE 36 NORTH AMERICA TO BE LARGEST MARKET FOR INDUSTRIAL CARBON FIBER CONSTRUCTION REPAIR

7.4.2 CARBON FIBER CONSTRUCTION REPAIR MARKET IN INDUSTRIAL, BY REGION

TABLE 41 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE IN INDUSTRIAL, BY REGION, 2021–2028 (USD MILLION)

TABLE 42 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE IN INDUSTRIAL, BY REGION, 2021–2028 (KILOTON)

8 CARBON FIBER CONSTRUCTION REPAIR MARKET, BY REGION

8.1 INTRODUCTION

FIGURE 37 CHINA TO REGISTER HIGHEST GROWTH RATE DURING FORECAST PERIOD

8.1.1 CARBON FIBER CONSTRUCTION REPAIR MARKET, BY REGION

TABLE 43 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (USD MILLION)

TABLE 44 CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY REGION, 2021–2028 (KILOTON)

8.2 NORTH AMERICA

8.2.1 IMPACT OF RECESSION IN NORTH AMERICA

FIGURE 38 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SNAPSHOT

8.2.2 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY

PRODUCT TYPE

TABLE 45 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY PRODUCT TYPE, 2021–2028 (USD MILLION)

TABLE 46 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY PRODUCT TYPE, 2021–2028 (KILOTON)

8.2.3 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION

TABLE 47 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 48 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

8.2.4 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY

TABLE 49 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 50 NORTH AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY COUNTRY, 2021–2028 (KILOTON)

8.2.4.1 US

8.2.4.1.1 Largest consumer of construction repair carbon fiber products in North America

8.2.4.1.2 US: Carbon fiber construction repair market, by application

TABLE 51 US: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 52 US: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028

8.2.4.2 Canada

8.2.4.2.1 Carbon fiber products widely used to maintain water structures

8.2.4.2.2 Canada: Carbon fiber construction repair market, by application

TABLE 53 CANADA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 54 CANADA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

8.3 EUROPE

8.3.1 RECESSION IMPACT

FIGURE 39 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET SNAPSHOT

8.3.2 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE

TABLE 55 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY

PRODUCT TYPE, 2021–2028 (USD MILLION)

TABLE 56 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE, 2021–2028 (KILOTON)

8.3.3 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION

TABLE 57 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 58 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.3.4 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY

TABLE 59 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 60 EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY, 2021–2028 (KILOTON)

8.3.4.1 Germany

8.3.4.1.1 Leading carbon fiber construction repair market in Europe

8.3.4.1.2 Germany: Carbon fiber construction repair market, by application

TABLE 61 GERMANY: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 62 GERMANY: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.3.4.2 UK

8.3.4.2.1 Growth of construction sector to drive market

8.3.4.2.2 UK: Carbon fiber construction repair market, by application

TABLE 63 UK: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 64 UK: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.3.4.3 France

8.3.4.3.1 Infrastructure to be major consumer of carbon fiber construction repair products

8.3.4.3.2 France: Carbon fiber construction repair market, by application

TABLE 65 FRANCE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 66 FRANCE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.3.4.4 Italy

8.3.4.4.1 Presence of major players to drive market

8.3.4.4.2 Italy: Carbon fiber construction repair market, by application

TABLE 67 ITALY: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 68 ITALY: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.3.4.5 Spain

8.3.4.5.1 High demand in reinforcement and refurbishment purposes to fuel market growth

8.3.4.5.2 Spain: Carbon fiber construction repair market, by application

TABLE 69 SPAIN: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 70 SPAIN: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.3.4.6 Rest of Europe

8.3.4.6.1 Region witnessing increasing usage in different construction repair applications

8.3.4.6.2 Rest of Europe: Carbon fiber construction repair market, by application

TABLE 71 REST OF EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 72 REST OF EUROPE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.4 ASIA PACIFIC

8.4.1 RECESSION IMPACT

FIGURE 40 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET SNAPSHOT

8.4.2 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE

TABLE 73 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE, 2021–2028 (USD MILLION)

TABLE 74 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE, 2021–2028 (KILOTON)

8.4.3 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION

TABLE 75 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 76 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.4.4 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY

TABLE 77 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 78 ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY, 2021–2028 (KILOTON)

8.4.4.1 China

8.4.4.1.1 Largest carbon fiber construction repair market in Asia Pacific

8.4.4.1.2 China: Carbon fiber construction repair market, by application

TABLE 79 CHINA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 80 CHINA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.4.4.2 Japan

8.4.4.2.1 Technological advancement to drive market in Japan

8.4.4.2.2 Japan: Carbon fiber construction repair market, by application

TABLE 81 JAPAN: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 82 JAPAN: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.4.4.3 Rest of Asia Pacific

8.4.4.3.1 Urbanization and population growth to drive market during forecast period

8.4.4.3.2 Rest of Asia Pacific: Carbon fiber construction repair market, by application

TABLE 83 REST OF ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 84 REST OF ASIA PACIFIC: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.5 LATIN AMERICA

8.5.1 IMPACT OF RECESSION IN LATIN AMERICA

8.5.2 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE

TABLE 85 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY PRODUCT TYPE, 2021–2028 (USD MILLION)

TABLE 86 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY PRODUCT TYPE, 2021–2028 (KILOTON)

8.5.3 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION

TABLE 87 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 88 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET

SIZE, BY APPLICATION, 2021–2028 (KILOTON)

8.5.4 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY

TABLE 89 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 90 LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY COUNTRY, 2021–2028 (KILOTON)

8.5.4.1 Brazil

8.5.4.1.1 Largest market for carbon fiber construction repair in Latin America

8.5.4.1.2 Brazil: Carbon fiber construction repair market

TABLE 91 BRAZIL: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 92 BRAZIL: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

8.5.4.2 Mexico

8.5.4.2.1 Infrastructure to be largest as well as fastest-growing end user during forecast period

8.5.4.2.2 Mexico: Carbon fiber construction repair market, by application

TABLE 93 MEXICO: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 94 MEXICO: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

8.5.4.3 Rest of Latin America

8.5.4.3.1 Infrastructure to be dominant end user of carbon fiber repair products

8.5.4.3.2 Rest of Latin America: carbon fiber construction repair market, by application

TABLE 95 REST OF LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 96 REST OF LATIN AMERICA: CARBON FIBER CONSTRUCTION REPAIR MARKET SIZE, BY APPLICATION, 2021–2028 (KILOTON)

8.6 MIDDLE EAST & AFRICA

8.6.1 RECESSION IMPACT

8.6.2 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE

TABLE 97 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE, 2021–2028 (USD MILLION)

TABLE 98 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY PRODUCT TYPE, 2021–2028 (KILOTON)

8.6.3 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR

MARKET, BY APPLICATION

TABLE 99 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 100 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.6.4 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY

TABLE 101 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 102 MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY COUNTRY, 2021–2028 (KILOTON)

8.6.4.1 UAE

8.6.4.1.1 Favorable government support to drive demand

8.6.4.1.2 UAE: Carbon fiber construction repair market, by application

TABLE 103 UAE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 104 UAE: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.6.4.2 Saudi Arabia

8.6.4.2.1 Construction of high-speed trains, highways, bridges, and water treatment plants to fuel demand

8.6.4.2.2 Saudi Arabia: Carbon fiber construction repair market, by application

TABLE 105 SAUDI ARABIA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 106 SAUDI ARABIA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

8.6.4.3 Rest of Middle East & Africa

8.6.4.3.1 Increasing construction of commercial and residential buildings to drive market

8.6.4.3.2 Rest of Middle East & Africa: Carbon fiber construction repair market, by application

TABLE 107 REST OF MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 108 REST OF MIDDLE EAST & AFRICA: CARBON FIBER CONSTRUCTION REPAIR MARKET, BY APPLICATION, 2021–2028 (KILOTON)

9 COMPETITIVE LANDSCAPE

9.1 OVERVIEW

9.2 KEY PLAYERS STRATEGIES/RIGHT TO WIN

9.2.1 OVERVIEW OF STRATEGIES ADOPTED BY KEY MARKET PLAYERS

TABLE 109 COMPANIES ADOPTED ACQUISITION AS KEY GROWTH STRATEGY BETWEEN 2018 AND 2022

9.3 REVENUE ANALYSIS

9.3.1 CARBON FIBER CONSTRUCTION REPAIR MARKET: REVENUE ANALYSIS OF TOP 5 MARKET PLAYERS

FIGURE 41 REVENUE ANALYSIS OF KEY COMPANIES (2018–2022)

9.4 MARKET SHARE ANALYSIS

FIGURE 42 MARKET SHARE OF TOP 5 COMPANIES IN CARBON FIBER CONSTRUCTION REPAIR MARKET

9.4.1 RANKING OF KEY MARKET PLAYERS

FIGURE 43 RANKING OF TOP FIVE PLAYERS IN CARBON FIBER CONSTRUCTION REPAIR MARKET

9.5 COMPANY EVALUATION MATRIX (TIER 1)

9.5.1 STARS

9.5.2 EMERGING LEADERS

9.5.3 PERVASIVE PLAYERS

9.5.4 PARTICIPANTS

FIGURE 44 CARBON FIBER CONSTRUCTION REPAIR MARKET: COMPANY EVALUATION MATRIX FOR TIER 1 COMPANIES

9.5.5 COMPANY FOOTPRINT

TABLE 110 COMPANY OVERALL FOOTPRINT

TABLE 111 COMPANY APPLICATION FOOTPRINT

TABLE 112 COMPANY REGION FOOTPRINT

9.6 START-UP/SME EVALUATION MATRIX

9.6.1 PROGRESSIVE COMPANIES

9.6.2 RESPONSIVE COMPANIES

9.6.3 DYNAMIC COMPANIES

9.6.4 STARTING BLOCKS

FIGURE 45 CARBON FIBER CONSTRUCTION REPAIR MARKET: START-UP/SME EVALUATION MATRIX, 2023

9.6.5 COMPETITIVE BENCHMARKING

TABLE 113 CARBON FIBER CONSTRUCTION REPAIR MARKET: DETAILED LIST OF KEY STARTUP/SMES

TABLE 114 CARBON FIBER CONSTRUCTION REPAIR MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES, BY TYPE

TABLE 115 CARBON FIBER CONSTRUCTION REPAIR MARKET: COMPETITIVE BENCHMARKING OF STARTUPS/SMES, BY APPLICATION

TABLE 116 CARBON FIBER CONSTRUCTION REPAIR MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS, BY REGION**9.7 COMPETITIVE SITUATION AND TRENDS****9.7.1 DEALS****TABLE 117 CARBON FIBER CONSTRUCTION REPAIR: DEALS, 2018–2022****9.7.2 OTHERS****TABLE 118 CARBON FIBER CONSTRUCTION REPAIR: OTHERS, 2018–2022****10 COMPANY PROFILES**

(Business overview, Products offered, Recent Developments, Deals, MNM view, Right to win, Strategic Choices, Weaknesses and competitive threats)*

10.1 KEY PLAYERS**10.1.1 SIKA AG****TABLE 119 SIKA AG: COMPANY OVERVIEW****FIGURE 46 SIKA AG: COMPANY SNAPSHOT****TABLE 120 SIKA AG: PRODUCT OFFERINGS****TABLE 121 SIKA AG: DEALS****10.1.2 MAPEI SPA****TABLE 122 MAPEI SPA: COMPANY OVERVIEW****FIGURE 47 MAPEI SPA: COMPANY SNAPSHOT****TABLE 123 MAPEI SPA: PRODUCT OFFERINGS****TABLE 124 MAPEI SPA: DEALS****TABLE 125 MAPEI SPA: OTHER DEVELOPMENTS****10.1.3 FOSROC INC.****TABLE 126 FOSROC INC.: COMPANY OVERVIEW****TABLE 127 FOSROC INC.: PRODUCT OFFERINGS****TABLE 128 FOSROC INC.: DEALS****10.1.4 MASTER BUILDERS SOLUTIONS****TABLE 129 MASTER BUILDERS SOLUTIONS: COMPANY OVERVIEW****TABLE 130 MASTER BUILDERS SOLUTIONS: PRODUCT OFFERINGS****10.1.5 CRITICA INFRASTRUCTURE****TABLE 131 CRITICA INFRASTRUCTURE: COMPANY OVERVIEW****TABLE 132 CRITICA INFRASTRUCTURE: PRODUCT OFFERINGS****10.1.6 AB-SCHOMBURG YAPI KIMYASALLARI A.?.****TABLE 133 AB-SCHOMBURG YAPI KIMYASALLARI A.?.: COMPANY OVERVIEW****TABLE 134 AB-SCHOMBURG YAPI KIMYASALLARI A.?.: PRODUCT OFFERINGS****10.1.7 DOWAKSA****TABLE 135 DOWAKSA: COMPANY OVERVIEW**

TABLE 136 DOWAKSA: PRODUCT OFFERINGS**10.1.8 DEXTRA GROUP****TABLE 137 DEXTRA GROUP: COMPANY OVERVIEW****TABLE 138 DEXTRA GROUP: PRODUCT OFFERINGS****10.1.9 RHINO CARBON FIBER REINFORCEMENT PRODUCTS****TABLE 139 STEKLONIT JSC: COMPANY OVERVIEW****TABLE 140 RHINO CARBON FIBER REINFORCEMENT PRODUCTS: PRODUCT OFFERINGS****10.1.10 MITSUBISHI CHEMICAL CORPORATION****TABLE 141 MITSUBISHI CHEMICAL COMPANY: COMPANY OVERVIEW****FIGURE 48 MITSUBISHI CHEMICAL CORPORATION: COMPANY SNAPSHOT****TABLE 142 MITSUBISHI CHEMICAL CORPORATION: PRODUCT OFFERINGS****TABLE 143 MITSUBISHI CHEMICAL CORPORATION: DEALS****TABLE 144 MITSUBISHI CHEMICAL CORPORATION: OTHER DEVELOPMENTS****10.1.11 TORAY INDUSTRIES INC.****TABLE 145 TORAY INDUSTRIES INC: COMPANY OVERVIEW****FIGURE 49 TORAY INDUSTRIES INC.: COMPANY SNAPSHOT****TABLE 146 TORAY INDUSTRIES INC.: PRODUCT OFFERINGS****10.1.12 SIMPSON STRONG-TIE COMPANY INC.****TABLE 147 SIMPSON STRONG-TIE COMPANY INC.: COMPANY OVERVIEW****TABLE 148 SIMPSON STRONG-TIE COMPANY INC.: PRODUCT OFFERINGS****10.1.13 ANTOP GLOBAL TECHNOLOGY CO., LTD.****TABLE 149 ANTOP GLOBAL TECHNOLOGY CO., LTD.: COMPANY OVERVIEW****TABLE 150 ANTOP GLOBAL TECHNOLOGY CO., LTD.: PRODUCT OFFERINGS****10.1.14 SIREG GEOTECH S.R.L.****TABLE 151 SIREG GEOTECH S.R.L.: COMPANY OVERVIEW****TABLE 152 SIREG GEOTECH S.R.L.: PRODUCT OFFERINGS****10.1.15 CHOMARAT GROUP****TABLE 153 CHOMARAT GROUP: COMPANY OVERVIEW****TABLE 154 CHOMARAT GROUP: PRODUCT OFFERINGS**

*Details on Business overview, Products offered, Recent Developments, Deals, MNM view, Right to win, Strategic Choices, Weaknesses and competitive threats might not be captured in case of unlisted companies.

10.2 OTHER PLAYERS**10.2.1 ZHONGAO CARBON****TABLE 155 ZHONGAO CARBON: BUSINESS OVERVIEW****10.2.2 JIANGSU NONGCHAOER COMPOSITE MATERIAL CO., LTD.****TABLE 156 JIANGSU NONGCHAOER COMPOSITE MATERIAL CO., LTD.: BUSINESS OVERVIEW**

10.2.3 TEIJIN CARBON

TABLE 157 TEIJIN CARBON: BUSINESS OVERVIEW

10.2.4 CHANGZHOU JLON COMPOSITE CO., LTD.

TABLE 158 CHANGZHOU JLON COMPOSITE CO., LTD.: BUSINESS OVERVIEW

10.2.5 RELIANCE COMPOSITES

TABLE 159 RELIANCE COMPOSITES: BUSINESS OVERVIEW

10.2.6 DRIZORO S.A.U

TABLE 160 DRIZORO S.A.U: BUSINESS OVERVIEW

10.2.7 CARBON-CORE CORP.

TABLE 161 CARBON-CORE CORP.: BUSINESS OVERVIEW

10.2.8 HEXCEL

TABLE 162 HEXCEL: BUSINESS OVERVIEW

10.2.9 HINDOOSTAN COMPOSITE SOLUTIONS

TABLE 163 HINDOOSTAN COMPOSITE SOLUTIONS: BUSINESS OVERVIEW

11 APPENDIX

11.1 DISCUSSION GUIDE

11.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

11.3 CUSTOMIZATION OPTIONS

11.4 RELATED REPORTS

11.5 AUTHOR DETAILS

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