

Rapid Strength Concrete Market Report by Strength (0 To 40 MPa, 40 To 80 MPa, Above 80 MPa), Application (Airport, Building Floor, Dockyard, Formed Work, Parking Areas, Rail Network, Roads and Bridges, and Others), and Region 2024-2032

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Abstracts

The global rapid strength concrete market size reached US\$ 144.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 216.1 Billion by 2032, exhibiting a growth rate (CAGR) of 4.4% during 2024-2032.

Rapid strength concrete (RSC) refers to a type of concrete that gains strength quickly and provides a lasting repair for the remaining service life of a structure. It is manufactured using high-quality ingredients and mixture designs and consequently offers numerous advantages over conventional concrete. As it helps businesses operating in the construction sector reduce their capital expenditure, RSC finds extensive applications in airports, dockyards, parking areas, and railway networks across the globe.

Rapid Strength Concrete Market Trends:

The rising demand for modern architecture around the world represents one of the key factors bolstering the growth of the market. Besides this, there is a considerable increase in the use of RSC for pavement rehabilitation and reconstruction. These pavements provide a smooth and durable all-weather traveling surface to cars, trucks, buses, bicycles, commuters, commercial motor carriers, delivery and service providers, local users, and leisure travelers. In addition, they play a pivotal role in the roadway network of a country and offer societal benefits, such as access to schools, services, offices, and general mobility. Apart from this, as RSC reaches opening strength in a short period, slab replacement can be accomplished overnight. Consequently, it is

utilized for repairing different components of buildings and substructure elements on bridges, such as decks, piers, and columns. Moreover, key players are focusing on minimizing the impact of producing concrete on the environment by developing next-generation sustainable cement. They are also engaging in collaborations and mergers and acquisitions (M&A) with domestic players, which is positively influencing the market. Furthermore, governing authorities of numerous countries are introducing new projects for constructing highways and freeways, which is facilitating the growth of the market.

Key Market Segmentation:

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

Breakup by Strength:

- 0 To 40 MPa
- 40 To 80 MPa
- Above 80 MPa

Breakup by Application:

- Airport
- Building Floor
- Dockyard
- Formed Work
- Parking Areas
- Rail Network
- Roads and Bridges
- Others

Breakup by Region:

- 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

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Aggregate Industries (Holcim Group), Boral Limited, Bostik (Arkema S.A.), Buzzi Unicem SpA, Cemex S.A.B. de C.V., CTS Cement Manufacturing Corporation, Fosroc Inc. (JMH Group), Instarmac Group PLC, Short Load Concrete Inc., Sika AG, Tarmac (CRH plc) and Westbuild Group.

Key Questions Answered in This Report

1. What was the size of the global rapid strength concrete market in 2023?
2. What is the expected growth rate of the global rapid strength concrete market during 2024-2032?
3. What are the key factors driving the global rapid strength concrete market?
4. What has been the impact of COVID-19 on the global rapid strength concrete market?
5. What is the breakup of the global rapid strength concrete market based on the application?
6. What are the key regions in the global rapid strength concrete market?
7. Who are the key players/companies in the global rapid strength concrete 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 RAPID STRENGTH CONCRETE MARKET

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

6 MARKET BREAKUP BY STRENGTH

- 6.1 0 To 40 MPa
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 40 To 80 MPa
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Above 80 MPa

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

7.1 Airport

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Building Floor

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Dockyard

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Formed Work

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Parking Areas

7.5.1 Market Trends

7.5.2 Market Forecast

7.6 Rail Network

7.6.1 Market Trends

7.6.2 Market Forecast

7.7 Roads and Bridges

7.7.1 Market Trends

7.7.2 Market Forecast

7.8 Others

7.8.1 Market Trends

7.8.2 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 Aggregate Industries (Holcim Group)

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.2 Boral Limited

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.2.3 Financials

13.3.3 Bostik (Arkema S.A.)

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

13.3.4 Buzzi Unicem SpA

13.3.4.1 Company Overview

13.3.4.2 Product Portfolio

13.3.4.3 Financials

13.3.5 Cemex S.A.B. de C.V.

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.5.3 Financials

13.3.5.4 SWOT Analysis

13.3.6 CTS Cement Manufacturing Corporation

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.7 Fosroc Inc. (JMH Group)

13.3.7.1 Company Overview

13.3.7.2 Product Portfolio

13.3.8 Instarmac Group PLC

13.3.8.1 Company Overview

13.3.8.2 Product Portfolio

13.3.9 Short Load Concrete Inc.

13.3.9.1 Company Overview

13.3.9.2 Product Portfolio

13.3.10 Sika AG

- 13.3.10.1 Company Overview
- 13.3.10.2 Product Portfolio
- 13.3.10.3 Financials
- 13.3.11 Tarmac (CRH plc)
 - 13.3.11.1 Company Overview
 - 13.3.11.2 Product Portfolio
- 13.3.12 Westbuild Group
 - 13.3.12.1 Company Overview
 - 13.3.12.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Rapid Strength Concrete Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Rapid Strength Concrete Market Forecast: Breakup by Strength (in Million US\$), 2024-2032

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

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

Table 5: Global: Rapid Strength Concrete Market: Competitive Structure

Table 6: Global: Rapid Strength Concrete Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Rapid Strength Concrete Market: Major Drivers and Challenges

Figure 2: Global: Rapid Strength Concrete Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Rapid Strength Concrete Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Rapid Strength Concrete Market: Breakup by Strength (in %), 2023

Figure 5: Global: Rapid Strength Concrete Market: Breakup by Application (in %), 2023

Figure 6: Global: Rapid Strength Concrete Market: Breakup by Region (in %), 2023

Figure 7: Global: Rapid Strength Concrete (0 To 40 MPa) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Rapid Strength Concrete (0 To 40 MPa) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Rapid Strength Concrete (40 To 80 MPa) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Rapid Strength Concrete (40 To 80 MPa) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Rapid Strength Concrete (Above 80 MPa) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Rapid Strength Concrete (Above 80 MPa) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Rapid Strength Concrete (Airport) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Rapid Strength Concrete (Airport) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Rapid Strength Concrete (Building Floor) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Rapid Strength Concrete (Building Floor) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Rapid Strength Concrete (Dockyard) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Rapid Strength Concrete (Dockyard) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Rapid Strength Concrete (Formed Work) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Rapid Strength Concrete (Formed Work) Market Forecast: Sales

Value (in Million US\$), 2024-2032

Figure 21: Global: Rapid Strength Concrete (Parking Areas) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Rapid Strength Concrete (Parking Areas) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Rapid Strength Concrete (Rail Network) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Rapid Strength Concrete (Rail Network) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Rapid Strength Concrete (Roads and Bridges) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Rapid Strength Concrete (Roads and Bridges) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Global: Rapid Strength Concrete (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Global: Rapid Strength Concrete (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: North America: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: North America: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: United States: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: United States: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Canada: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Canada: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: Asia-Pacific: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: Asia-Pacific: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: China: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: China: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Japan: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Japan: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: India: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: India: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: South Korea: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: South Korea: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Australia: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Australia: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Indonesia: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Indonesia: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Others: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Others: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Europe: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Europe: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Germany: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Germany: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: France: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: France: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: United Kingdom: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: United Kingdom: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Italy: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 &

2023

Figure 60: Italy: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Spain: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Spain: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Russia: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Russia: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Others: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Others: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Latin America: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Latin America: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Brazil: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Brazil: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Mexico: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Mexico: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Others: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Others: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: Middle East and Africa: Rapid Strength Concrete Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: Middle East and Africa: Rapid Strength Concrete Market: Breakup by Country (in %), 2023

Figure 77: Middle East and Africa: Rapid Strength Concrete Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 78: Global: Rapid Strength Concrete Industry: SWOT Analysis

Figure 79: Global: Rapid Strength Concrete Industry: Value Chain Analysis

Figure 80: Global: Rapid Strength Concrete Industry: Porter's Five Forces Analysis

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