

Cement and Concrete Products Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018–2028F Segmented By Type (Cement, Ready-Mix Concrete, Concrete Pipe, Brick & Block, Other Concrete Products), By Product (Rapid Hardening Cement, Low Heat Cement, White Cement, Hydrophobic Cement, Other Products), By Application (Residential, Non-Residential), By Region and Competition

<https://marketpublishers.com/r/C5C7FB4C41BDEN.html>

Date: October 2023

Pages: 170

Price: US\$ 4,900.00 (Single User License)

ID: C5C7FB4C41BDEN

Abstracts

Global cement and concrete products market is expected to grow during the forecast period. The demand for cement and concrete sparked by governments across the world launching programmes to offer cash and subsidies to make housing accessible, particularly for low-income households. Customers able to invest in new homes credit to these subsidies by borrowing money at low interest rates. For instance, the Australian government's 'First Home Owners Grant' program offers first-time homebuyers a grant of USD15,000 toward the cost of buying or building a home.

Cement is a powdery substance made of a mixture of calcined clay, limestone, and calcium sulfate that is mixed with water to create a paste-like substance used to bind or harden materials such as concrete, mortar, and stucco. Concrete products are made from cement and other materials such as sand, water, aggregates, and admixtures. Common concrete products include precast concrete, ready-mix concrete, framed walls, foundations, pipes, paving stones, bricks, blocks, and other building materials.

Increase in Infrastructure Spending

During 2018 to 2022, the global economy experienced continuous, sustainable expansion. The International Monetary Fund (IMF) estimates that between 2025 and 2026, real GDP will expand by 3.3% and 3.4%, respectively, globally. Additionally, emerging markets are anticipated to grow a little bit faster than developed markets during the projected period. Investments in end user markets are anticipated to rise as a result of stable economic expansion, propelling the market during the forecast period. The demand for new infrastructure is anticipated to rise in both developed and developing nations, which, in turn, will propel the growth of the global cement and concrete products market during the forecast period.

The demand for cement and concrete products is anticipated to increase during the projected period as governments around the world spend more money on infrastructure projects. Many nations are putting their attention into updating aging infrastructure to accommodate growing population. For instance, Canada has committed to invest more than USD180 billion in infrastructure over the next 12 years, of which USD28.7 billion will go toward mass transit. Germany's federal government intends to invest USD147.6 billion on the construction of the nation's highways as part of its 2030 Federal Transport Infrastructure Plan. The Indian government allocated INR 233,083 crore (USD 32.02 billion) to improve the transport infrastructure in the Union Budget 2021, providing a significant boost to the infrastructure industry.

Innovations In Cement Production

The production of cement is increasingly using alternative raw materials such as clay, shale, and limestone, which will improve product quality while having a less negative impact on the environment. Limestone has historically been the primary raw material used in cement manufacture. The decarbonation of limestone throughout the production process is responsible for about 60% of the industry's CO₂ emissions. Some of the natural raw materials have already been replaced by trash and byproducts from other industrial processes as a result of industry advances and R&D programs. In place of natural ingredients such as clay, shale, and limestone, by-products and waste materials such as calcium, silica, alumina, and iron are employed as alternative binding materials in the production of cement.

For occurrence, in Europe, around 3%-4% of the crude materials required to create clinker, or around 14.5 million tons every year, are made up of elective crude materials and fuel fiery remains. Whereas routine Portland cement can contain up to 95% of clinker and the remaining 5% of gypsum, the clinker-to-cement proportion within the

EU27 is just 73.7%. Dalmia Cement and FLSmidth & Co. formed a partnership in 2022 to work together on the research and development of innovative solutions for the production of cement. Due to these growing innovations, the global cement and concrete products market is expected to grow in near future.

Rapid Urbanization will boost the market in the forecast period

The demand for cement and concrete products is anticipated to increase during the projection period due to rapidly expanding urban population. The demand for infrastructure is anticipated to rise dramatically in Asian nations, including China, India, Vietnam, and the Philippines. 56.61% of the world's population reside in urban regions in 2021, and by 2050, that number is projected to rise to 68%. 4.46 billion people reside in urban areas in year 2021. In 2021, Asia had the second-fastest population growth rate (1.98%), trailing only Africa (3.56%). The pace of population increase in Europe is the slowest, at 0.32%. Rapid urban population growth necessitates large cement and concrete product consumption, which, in turn, will propel the growth of the market during the projection period.

IoT in Cement Manufacturing

In order to increment plant efficiency, cement fabricating offices are progressively utilizing advanced innovations such as the internet of things (IoT). The Internet of Things (IoT) is a network of physical objects that connect online. IoT supports remote plant monitoring and proactive maintenance. Enormous vehicle activities in quarries are observed from a distance, and basic measurements such as fuel use per ton and it are accounted for to work hours. IoT can be utilized to anticipate forthcoming issues and keep check on that.. Predictive maintenance can increase the uptime of crucial cement machinery, such as grinding mills and kilns, in cement plants.

Company can integrate IoT solutions at the locations of truck stacking, security checks, confirmation, and development. For instance, Coforge assisted numerous cement manufacturers in 2022. It used to take eight hours to physically complete this work. After IoT was put in place, the cycle was reduced to 3 hours. Other IoT uses in the cement sector include reporting on conformity with international standards, monitoring the durability of concrete mixtures, and connected logistics to boost quarry output. Manufacturers of equipment for manufacturing ready-mix concrete Zoomlin is currently investigating data-based metrics to enhance the performance of trucks used in quarries. Thus, the global cement and concrete products market is expected to grow during the forecast period.

Adoption Of Cement In Road Construction

The historical period saw an upsurge in the demand for cement due to the quick use of cement for road construction. In terms of functionality and cost, concrete roads are vastly superior than traditional asphalt roads. Cement has a number of benefits when building roads, including durability and a low maintenance requirement. Concrete roads offer superior skid resistance than asphalt roads and are impervious to water. According to a research by the Indian Central Road Research Institute (CRRRI), large freight vehicles use 15%–20% less fuel on concrete roads than on asphalt-built ones. For the construction of all new road projects, the Government of India has chosen cement over bitumen on the grounds that it will last longer and be less expensive to maintain in the long term. Cement and concrete products have expanded as a result of the growing use of cement in road construction.

Rigorous Regulations on Emissions from Cement Plants may impact the market

Strict controls on emissions from cement manufacturing plants are anticipated to have an impact on the global cement and concrete products markets. Governments all over the world have put tight regulations in place to decrease the amount of carbon emissions produced by the cement sector. For instance, under the Clean Air Act, the United States Environmental Protection Agency (US EPA) controls cement plant emissions. Fly ash has no longer being included in concrete mixtures because of EPA rules. Global cement producers are anticipated to reduce some of their capacity as a result of stricter environmental regulations, according to a analysis. For instance, China's cement production capacity is predicted to decline in 2023 at an average annual rate of 3%. For cement manufacturers, these laws are anticipated to result in higher operational and compliance costs, which will impede market expansion during the forecast period.

Market Segmentation

The global cement and concrete products market is segmented based on type, product, application, and region. Based on type, the market is segmented into cement, ready-mix concrete, concrete pipe, brick & block, and other concrete products. Based on product, the market is segmented into rapid hardening cement, low heat cement, white cement, hydrophobic cement, and other products. Based on application, the market is segmented into residential and non-residential. Based on region, the market is further bifurcated into North America, Asia-Pacific, Europe, South America, and Middle East &

Africa.

Market players

Major market players in the global cement and concrete products market are Heidelberg Cement, Lafarge Holcim, CRH plc, The Siam Cement Group, Titan Cement Company S.A., Aditya Birla Ultratech, Mitsubishi Cement Corporation, CNBM International Corporation, Drake Cement LLC, and Taiheiyo Cement Corporation.

Report Scope:

In this report, the Global Cement and Concrete Products Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Cement and Concrete Products Market, By Type:

Cement

Ready-Mix Concrete

Concrete Pipe

Brick and Block

Other Concrete Products

Cement and Concrete Products Market, By Product:

Rapid Hardening Cement

Low Heat Cement

White Cement

Hydrophobic Cement

Other Products

Cement and Concrete Products Market, By Application:

Residential

Non-Residential

Cement and Concrete Products Market, By Region:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

South Korea

Australia

Europe

Germany

United Kingdom

France

Spain

Italy

South America

Brazil

Argentina

Colombia

Middle East

Saudi Arabia

South Africa

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the global cement and concrete products market.

Available Customizations:

With the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Baseline Methodology
- 2.2. Key Industry Partners
- 2.3. Major Association and Secondary Sources
- 2.4. Forecasting Methodology
- 2.5. Data Triangulation & Validation
- 2.6. Assumptions and Limitations

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMERS

5. GLOBAL CEMENT AND CONCRETE PRODUCTS MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Type (Cement, Ready-Mix Concrete, Concrete Pipe, Brick, And Block, Other Concrete Products)
 - 5.2.2. By Product (Rapid Hardening Cement, Low Heat Cement, White Cement, Hydrophobic Cement, Other Products)
 - 5.2.3. By Application (Residential, Non-Residential)
 - 5.2.4. By Region
- 5.3. By Company (2022)
- 5.4. Market Map

6. NORTH AMERICA CEMENT AND CONCRETE PRODUCTS MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Type

6.2.2. By Product

6.2.3. By Application

6.2.4. By Country

6.3. North America: Country Analysis

6.3.1. United States Cement and Concrete Products Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Type

6.3.1.2.2. By Product

6.3.1.2.3. By Application

6.3.2. Canada Cement and Concrete Products Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Type

6.3.2.2.2. By Product

6.3.2.2.3. By Application

6.3.3. Mexico Cement and Concrete Products Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Type

6.3.3.2.2. By Product

6.3.3.2.3. By Application

7. ASIA-PACIFIC CEMENT AND CONCRETE PRODUCTS MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Type

7.2.2. By Product

7.2.3. By Application

7.2.4. By Country

7.3. Asia-Pacific: Country Analysis

7.3.1. China Cement and Concrete Products Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Type

7.3.1.2.2. By Product

7.3.1.2.3. By Application

7.3.2. India Cement and Concrete Products Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Size & Forecast

7.3.2.2.1. By Type

7.3.2.2.2. By Product

7.3.2.2.3. By Application

7.3.3. Japan Cement and Concrete Products Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Size & Forecast

7.3.3.2.1. By Type

7.3.3.2.2. By Product

7.3.3.2.3. By Application

7.3.4. South Korea Cement and Concrete Products Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Size & Forecast

7.3.4.2.1. By Type

7.3.4.2.2. By Product

7.3.4.2.3. By Application

7.3.5. Australia Cement and Concrete Products Market Outlook

7.3.5.1. Market Size & Forecast

7.3.5.1.1. By Value

7.3.5.2. Market Share & Forecast

7.3.5.2.1. By Type

7.3.5.2.2. By Product

7.3.5.2.3. By Application

8. EUROPE CEMENT AND CONCRETE PRODUCTS MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Type

8.2.2. By Product

8.2.3. By Application

8.2.4. By Country

8.3. Europe: Country Analysis

8.3.1. Germany Cement and Concrete Products Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Type

8.3.1.2.2. By Product

8.3.1.2.3. By Application

8.3.2. United Kingdom Cement and Concrete Products Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Type

8.3.2.2.2. By Product

8.3.2.2.3. By Application

8.3.3. France Cement and Concrete Products Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Type

8.3.3.2.2. By Product

8.3.3.2.3. By Application

8.3.4. Italy Cement and Concrete Products Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Type

8.3.4.2.2. By Product

8.3.4.2.3. By Application

8.3.5. Spain Cement and Concrete Products Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Type

8.3.5.2.2. By Product

8.3.5.2.3. By Application

9. SOUTH AMERICA CEMENT AND CONCRETE PRODUCTS MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Type

9.2.2. By Product

9.2.3. By Application

9.2.4. By Country

9.3. South America: Country Analysis

9.3.1. Brazil Cement and Concrete Products Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Type

9.3.1.2.2. By Product

9.3.1.2.3. By Application

9.3.2. Argentina Cement and Concrete Products Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Type

9.3.2.2.2. By Product

9.3.2.2.3. By Application

9.3.3. Colombia Cement and Concrete Products Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Type

9.3.3.2.2. By Product

9.3.3.2.3. By Application

10. MIDDLE EAST & AFRICA CEMENT AND CONCRETE PRODUCTS MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Type

10.2.2. By Product

10.2.3. By Application

10.2.4. By Country

10.3. Middle East & Africa: Country Analysis

10.3.1. Saudi Arabia Cement and Concrete Products Market Outlook

10.3.1.1. Market Size & Forecast

10.3.1.1.1. By Value

10.3.1.2. Market Share & Forecast

10.3.1.2.1. By Type

10.3.1.2.2. By Product

10.3.1.2.3. By Application

10.3.2. South Africa Cement and Concrete Products Market Outlook

10.3.2.1. Market Size & Forecast

10.3.2.1.1. By Value

10.3.2.2. Market Share & Forecast

10.3.2.2.1. By Type

10.3.2.2.2. By Product

10.3.2.2.3. By Application

10.3.3. UAE Cement and Concrete Products Market Outlook

10.3.3.1. Market Size & Forecast

10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Type

10.3.3.2.2. By Product

10.3.3.2.3. By Application

11. MARKET DYNAMICS

11.1. Drivers

11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

13. COMPANY PROFILES

- 13.1. Heidelberg Cement
 - 13.1.1. Business Overview
 - 13.1.2. Key Revenue and Financials
 - 13.1.3. Recent Developments
 - 13.1.4. Key Personnel
 - 13.1.5. Key Product/Services
- 13.2. Lafarge Holcim
 - 13.2.1. Business Overview
 - 13.2.2. Key Revenue and Financials
 - 13.2.3. Recent Developments
 - 13.2.4. Key Personnel
 - 13.2.5. Key Product/Services
- 13.3. CRH plc
 - 13.3.1. Business Overview
 - 13.3.2. Key Revenue and Financials
 - 13.3.3. Recent Developments
 - 13.3.4. Key Personnel
 - 13.3.5. Key Product/Services
- 13.4. The Siam Cement Group
 - 13.4.1. Business Overview
 - 13.4.2. Key Revenue and Financials
 - 13.4.3. Recent Developments
 - 13.4.4. Key Personnel
 - 13.4.5. Key Product/Services
- 13.5. Titan Cement Company S.A.
 - 13.5.1. Business Overview
 - 13.5.2. Key Revenue and Financials
 - 13.5.3. Recent Developments
 - 13.5.4. Key Personnel
 - 13.5.5. Key Product/Services
- 13.6. Aditya Birla Ultratech
 - 13.6.1. Business Overview
 - 13.6.2. Key Revenue and Financials
 - 13.6.3. Recent Developments
 - 13.6.4. Key Personnel

- 13.6.5. Key Product/Services
- 13.7. Mitsubishi Cement Corporation
 - 13.7.1. Business Overview
 - 13.7.2. Key Revenue and Financials
 - 13.7.3. Recent Developments
 - 13.7.4. Key Personnel
 - 13.7.5. Key Product/Services
- 13.8. CNBM International Corporation
 - 13.8.1. Business Overview
 - 13.8.2. Key Revenue and Financials
 - 13.8.3. Recent Developments
 - 13.8.4. Key Personnel
 - 13.8.5. Key Product/Services
- 13.9. Drake Cement LLC
 - 13.9.1. Business Overview
 - 13.9.2. Key Revenue and Financials
 - 13.9.3. Recent Developments
 - 13.9.4. Key Personnel
 - 13.9.5. Key Product/Services
- 13.10. Taiheiyo Cement Corporation
 - 13.10.1. Business Overview
 - 13.10.2. Key Revenue and Financials
 - 13.10.3. Recent Developments
 - 13.10.4. Key Personnel
 - 13.10.5. Key Product/Services

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

I would like to order

Product name: Cement and Concrete Products Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018–2028F Segmented By Type (Cement, Ready-Mix Concrete, Concrete Pipe, Brick & Block, Other Concrete Products), By Product (Rapid Hardening Cement, Low Heat Cement, White Cement, Hydrophobic Cement, Other Products), By Application (Residential, Non-Residential), By Region and Competition

Product link: <https://marketpublishers.com/r/C5C7FB4C41BDEN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C5C7FB4C41BDEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970