

Africa Green Cement Market: Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The Africa green cement market size reached US\$ 985 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,745 Million by 2028, exhibiting a growth rate (CAGR) of 10.1% during 2023-2028. The growing environmental awareness among the masses, various government initiatives to support affordable rural and urban housing programs, and increasing preferences of various construction companies to employ sustainable construction materials represent some of the key factors driving the market.

Green building construction has evolved as a lucrative and sustainable alternative to traditional buildings. It facilitates the reduction of water waste through water-efficient plumbing fixtures and enables water recycling and storage of rainwater. It also offers an improved indoor environment by enhancing lighting sources, thermal conditions, ergonomic features, and air quality. Besides this, rising initiatives to construct smart cities for restricting the over-expenditure of natural resources and encouraging citizens to live life sustainably are catalyzing the demand for green cement in Africa. Additionally, the growing trend of upcycling various construction materials along with the implementation of eco-friendly strategies into designing processes for reducing wastage, preserving natural resources, protecting air supply, and limiting energy usage is offering a favorable market outlook.

Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. The structure of the Africa green cement market is consolidated

with a few prominent manufacturers operating in the industry. The volume of new entrants in the market is moderate due to the requirement of skilled labor, experience, and high capital investments in the market. Furthermore, the product differentiation rate is low, and key players in the market are competing on the basis of technology used, price, and end services offered to their users.

What is Green Cement?

Green cement refers to a sustainable construction material manufactured with the help of a carbon-negative production process. It comprises a wide range of cement, including ekkomaxx cement, geopolymers cement, sequestered carbon cement, ferrocement, and magnesium oxychloride cement. It is produced from various industrial waste materials, such as blast furnace slag, fly ash, Poland silica fume, glass, waste plastic, and recycled concrete. It drastically lowers environmental pollution and offers improved thermal and acid resistance compared to conventional cement. It is more efficient and environment-friendly and facilitates the reduction of carbon dioxide emissions resulting from the vast amounts of energy needed to heat the clinker. It also reduces the urban heat island effect by increasing the reflectivity of concrete. It provides resistance to freezing and thawing and low chloride permeability. It is used in the construction of buildings as it is capable of withstanding temperature fluctuations and helps minimize the costs associated with heating and cooling. Furthermore, as it offers better fire resistance and is quite durable in nature, the demand for green cement is increasing in Africa.

COVID-19 Impact:

The outbreak of COVID-19 exerted a moderate negative impact on the demand for green cement in Africa. However, African green cement companies survived the crisis by strengthening their sustainability and competitiveness. Companies operated through the pandemic focusing on complying with health and safety requirements while protecting their own financial health. They are taking steps to protect cash flow and strengthen their financial position amid decreased demands, including cost savings by minimizing non-essential expenses and reducing labor costs, cutting capital expenditure by postponing ongoing projects, and preserving work capital by adjusting inventory levels. Key market players have invested in smart approaches to operate in a calibrated way that brings the overall green cement sector back into operation while ensuring safe ways of working. The pandemic also caused numerous complications for the green cement industry, such as contractual obligations, availability of resources, deliverables, health and safety measures, and project delays and cancellations. The supply chain also faced various issues due to the imposition of lockdown restrictions on road movements. There were also supply chain disruptions, raw material shortages, increased costs, and

reduced orders caused by the closing of factories.

Africa Green Cement Market Trends:

At present, the rising demand for green cement due to the increasing environmental awareness among the masses represents one of the primary factors supporting the growth of the market in Africa. In addition, the growing number of government initiatives to support affordable rural and urban housing programs is offering a favorable market outlook. Besides this, several environmental organizations operating in Africa are educating the public about the benefits of switching to green cement to lower the emissions of harmful gases and minimize their carbon footprint. Additionally, key market players are adopting novel technologies to make products with enhanced quality and energy efficiency, such as ultra-high strength concrete. Apart from this, Africa has spurred property developers to begin tapping into green funds to invest in green construction initiatives, which is contributing to the growth of the market in the region. Moreover, the rising awareness about the environmental advantages of utilizing green cement as an alternative to traditional concrete is strengthening the growth of the market in Africa. Furthermore, the increasing preferences of various construction companies to employ green cement for building highways, dams, bridges, and pavements is bolstering the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the Africa green cement market report, along with forecasts at the regional and country levels from 2023-2028. Our report has categorized the market based on product type and end use industry.

Product Type Insights:

Slag-Based

Limestone-Based

Fly-Ash Based

Silica Fume-Based

Others

The report has provided a detailed breakup and analysis of the Africa green cement market based on the product type. This includes slag-based, limestone-based, fly-ash based, silica fume-based, and others. According to the report, slag-based represented the largest segment as it is more environment friendly compared to traditional cement and helps address concerns about land pollution and disposal of industrial waste. In

In addition, the slag-based cement production process consumes less energy compared to the traditional cement production process, which is responsible for propelling the demand for green cement in Africa.

End Use Industry Insights:

Residential
Commercial
Infrastructure

A detailed breakup and analysis of the Africa green cement market based on the end use industry has also been provided in the report. This includes residential, commercial, and infrastructure. According to the report, residential accounted for the largest market share due to the rising construction of various residential complexes in Africa. Additionally, the unique application of green cement in renovation and restoration projects is contributing to the growth of the respective segment.

Country Insights:

Egypt
Nigeria
Algeria
Morocco
South Africa
Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Egypt, Nigeria, Algeria, Morocco, South Africa, and others. According to the report, Egypt was the largest market for Africa green cement. Some of the factors driving the Egypt green cement market included the implementation of several policies and regulations by governing agencies of Egypt to promote the usage of sustainable and environment-friendly building materials, rising awareness about the benefits of green cement, and increasing employment of green cement in various renovation activities.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the Africa green cement market. Some of the companies covered in the report include:

Afrisam
CEMEX S.A.B. de C.V.
CIMPOR C?te d'Ivoire (Cimpor Global Holdings BV)
Lafarge (Holcim)
Suez Cement (Heidelberg Cement Group)

Please note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. What was the size of the Africa green cement market in 2022?
2. What is the expected growth rate of the Africa green cement market during 2023-2028 ?
3. What has been the impact of COVID-19 on the Africa green cement market?
4. What are the key factors driving the Africa green cement market?
5. What is the breakup of the Africa green cement market based on the product type?
6. What is the breakup of the Africa green cement market based on the end use industry?
7. What are the key regions in the Africa green cement market?
8. Who are the key players/companies in the Africa green cement market?

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