

Middle East & Africa Green Cement and Concrete Market Forecast to 2030 - Regional Analysis - by Product Type (Fly Ash Based, Geopolymer, Slag Based, and Others) and End user (Commercial and Public Infrastructure, Industrial, and Residential)

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Abstracts

The Middle East & Africa green cement and concrete market is expected to grow from US\$ 935.66 million in 2022 to US\$ 1,336.59 million by 2030. It is estimated to record a CAGR of 4.6% from 2022 to 2030.

Increasing Concerns for Mitigating Carbon Emissions Globally Drive Middle East & Africa Green Cement and Concrete Market

Cement production is one of the highest carbon-emitting industries, accounting for ~8% of the total global CO₂ emissions in 2022 as per the International Energy Agency Report. Cement is among the materials that are an integral part of modern civilization. From high-rise skyscrapers to dams and bridges, from residential homes to industrial buildings and commercial facilities, cement is the backbone of the ecosystem. However, the conventional cement production process involves a huge amount of carbon emission, increasing environmental pollution and fueling climate change worldwide. The harmful effect of conventional cement production is one of the key reasons behind the growing environmental pollution levels. With the growing concern toward environmental protection, different governments are keen on identifying ways to make the cement production industry more sustainable and eco-friendlier. The concept of green cement production from industrial waste is one of the revolutionary ways that has the potential to mitigate the level of greenhouse gas emissions along with the carbon footprint in the cement industry. Middle Eastern governments have taken initiatives to reduce emissions. The UAE plans to attain net zero emissions by 2050, and Saudi Arabia and

Bahrain have committed to doing so by 2060. The growing governmental focus on attaining net zero carbon emissions is a significant factor boosting the application of green cement and concrete in the construction industry. The goal of decarbonizing the environment with measures such as using more sustainable and eco-friendly alternatives is one of the major driving factors for the green cement and concrete market.

Middle East & Africa Green Cement and Concrete Market Overview

The green cement and concrete market in the MEA are further segmented into South Africa, Saudi Arabia, and the UAE. The MEA is projected to witness rapid growth in commercialization and industrialization in the coming years. Owing to the continuously expanding construction industry in the Gulf countries, the demand for cement and concrete is rising significantly. Continuous investments and government initiatives to develop infrastructure drive the cement demand. The building landscape in Saudi Arabia is undergoing a dynamic shift driven by growing trends and ambitious initiatives. Th Line, a smart city concept proposed by NEOM near Riyadh in 2020, is one significant project. The US\$ 500 billion linear city is expected to redefine urban living and sustainability. This future development spans 170 kilometers and is intended to prioritize sustainability with a commitment to renewable energy and innovative transportation systems. Such initiatives are expected to drive the demand for green cement in the region. The green cement industry emerged as a transformative force in the Middle East & Africa. Cement production in this region has historically been associated with energy- and carbon-intensive methods. However, governments and businesses are recognizing the need for change. Green cement technologies are gradually making inroads, focusing on reducing the construction sector's environmental footprint. These efforts are essential, especially in regions with significant urban development and infrastructure projects, where the demand for sustainable construction materials steadily increases. For instance, in 2023, the UAE unveiled one of the major projects, Burj Binghatti, the world's tallest residential tower. Thus, the factors mentioned above are projected to drive the green cement industry in the region.

Middle East & Africa Green Cement and Concrete Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa Green Cement and Concrete Market Segmentation

The Middle East & Africa green cement and concrete market is segmented into product type, end user, and country.

Based on product type, the Middle East & Africa green cement and concrete market is segmented into fly ash based, geopolymer, slag based, and others. The fly ash-based segment held the largest share of the Middle East & Africa green cement and concrete market in 2022.

In terms of end user, the Middle East & Africa green cement and concrete market is segmented into commercial and public infrastructure, industrial, and residential. The commercial and public infrastructure segment held the largest share of the Middle East & Africa green cement and concrete market in 2022.

Based on country, the Middle East & Africa green cement and concrete market is segmented into Saudi Arabia, the UAE, South Africa, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa green cement and concrete market in 2022.

China National Building Material Co Ltd, Anhui Conch Cement Co Ltd, Holcim Ltd, JSW Cement Ltd, Navrattan Green Cement Industries Pvt Ltd, Cemex SAB de CV, and HeidelbergCement AG are some of the leading companies operating in the Middle East & Africa green cement and concrete market.

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